

Communications Sector

Systems Division Product Price Guide

Kenwood USA Corporation

Communications Sector - Systems Division 3975 Johns Creek Court, Suite 400 Suwanee, GA 30024-1265 Phone 678-474-4700 Toll Free 1-800-TRUNKING (878-6546) Systems Division Fax 678-957-1880

Kenwood USA Corporation

Corporate Offices 2201 E. Dominguez Ave. P.O. Box 22745 Long Beach, CA 90801-5745 Phone 310-639-9000 Fax 310-635-4957



Communications Sector

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Introduction

The Kenwood Systems price pages have been updated and now offer greater flexibility. This new format allows you to design a customized system that meets your end-user's needs. The price pages are organized by frequency band. You will find pages for Low Band, VHF, UHF, 800 and 900 MHz systems. Within a section, you will find a general description of each product line and what is included in its basic configuration. You will also find a listing of standard options for each system, and warnings that inform you when certain options may be incompatible with other options.

Individual components are listed in a separate section. On the components pages, you will find most of the items included in our systems. In the event you need individual components to be used as spares or to replace damaged or defective components in an existing system, use the component pages to order the necessary products.

All pricing is shown in United States Dollars. Products are shipped from either Suwanee, GA or Long Beach, CA. Shipping is not included in product pricing and will be added to the invoice unless otherwise specified.

NOTES:

Vertical mounting spaces are specified as standard EIA rack units, or "RU"...each RU equals 1-3/4 inches.

Kenwood uses a 4 decimal method for specifying frequencies, appended by "N" or "W" to indicate the channel's bandwidth. For example, 453.2500N specifies narrowband; 453.2500W specifies wideband.

All CTCSS tones are specified in Hz; DCS coding is specified as either normal (N) or inverted (I) polarity. For example, 131.8 Hz describes a CTCSS tone; D732N describes a DCS code, normal polarity. Carrier squelch channels are designated as "CSQ".

All amplifier models used in our systems cover a specified range of transmit power levels. However, output power for most models is not field-adjustable and must be factory-set. Your required / licensed power level must therefore be indicated at time of order.

CWID (Morse Code station identifier) can be programmed at the time of initial tuning; please specify call sign. CW Messages (Morse Code messages / individual letters) and AUX I/O port assignments can also be programmed; please specify operational details and event triggering.

All tone termination panels are compatible with both EIA-standard and Motorola-standard tone formats (may require alternate firmware; please specify the desired format). For DC remote control, specify individual DC currents and their functions. Line driver, Tone and DC remote control line levels are 0dBm TX and 0dBm RX at 60% modulation, less CTCSS/DCS modulation, unless otherwise specified at time of order.



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Introduction

All LTR channels are designated using 2 digits; for example, 05 is LTR channel 5. All LTR systems use standard channel distribution numbering; for example 01 - 05 - 09 - 13 - 17 for a 5-channel system. Unless otherwise specified, LTR 01 will be set up as the system's master and designated as 01M.

Shock-mount shipping crates are assembled using klimps and 5/16" screws. Disassembly requires only a large screwdriver (to release the klimps), and a drill with a 5/16" hex-head nut driver bit. Systems installed in racks also have support bolts; a socket wrench with a 3/4" socket is required.

This equipment is heavy. Be sure to arrange for enough manpower and/or material handling equipment to safely move and install this equipment. Rack mounted systems must be secured to the floor and/or wall during installation to prevent tipping and injury or damage. All systems must be grounded to a common-point ground.

All conventional, LTR and basic MPT-1327 systems can be ordered using these price pages. PassPort and custom MPT-1327 configurations often vary by project. For assistance with these systems, or if you have a special application and the components are not listed in these price pages or on the order form, please contact Kenwood Systems for assistance.



TKB-6900 Series Conventional Simplex Base Stations

29.7 - 50.0 MHz

GENERAL:

TKB-6900 Series Low Band Base Stations are built around the TK-690 high performance 110W radio. The TK-690 transceiver is mounted in a 2 RU enclosure which includes forced air cooling and option bays for two peripheral circuit boards. The basic configuration includes a 1 channel tone termination panel (2 or 4 wire audio) and a 40A 13.8VDC switching power supply (47-63Hz, 115 or 230VAC, 2 RU). The basic unit may be mounted in a cabinet or equipment rack and may be used either by itself (50W continuous duty or 110W at 20% duty cycle) or as a driver for an external continuous duty RF amplifier (100W or 300W).

OPTIONS:

Power supply options include battery backup with integrated SmartCharger and Low Voltage Disconnect for the basic and 100W configurations. Cabinet options are 20 RU (42") and 40 RU (77") locking cabinets; 17 RU (3') or 45 RU (7') open equipment racks are also available. External connections are RJ-11 for phone line, DB-25 for access to the internal chassis bus, type N-female for RF. T-R simplex antenna switching is included in the basic unit as well as in all external amplifiers. Other configurations are also available on a special order basis; contact your Kenwood Systems Regional Sales Manager for more details.

ORDERING INSTRUCTIONS:

Step 1: Determine the frequency sub-band:

K1 = 29.7 - 37.0 MHz Order **TKB6900SK1** basic configuration K2 = 35.0 - 43.0 MHz Order **TKB6900SK2** basic configuration K3 = 40.0 - 50.0 MHz Order **TKB6900SK3** basic configuration

Step 2: Select an RF amplifier option.

Step 3: Select a power supply option.

Step 4: Select the desired mounting configuration.

Step 5: Select optional equipment or configuration changes.

Step 6: Add the basic configuration (Step 1) to the desired RF amplifier, power supply, mounting configuration and optional equipment (Steps 2-5) to determine configuration pricing. Specify frequencies and tone assignments with order.



TKB-6900 Series Conventional Simplex Base Stations

29.7 - 50.0 MHz

	LI
EP 1 TKB-6900 BASIC CONFIGURATION: TKB6900SK1 BASIC CONFIGURATION, 29.7 - 37.0MHz	\$3.
·	, ,
TKB6900SK2 BASIC CONFIGURATION, 35.0 - 43.0MHz	\$3,
TKB6900SK3 BASIC CONFIGURATION, 40.0 - 50.0MHz TKB-6900 low band base station basic configuration includes 40A DC power supply and 1 channel tone termination panel. Base station provides 50W continuous duty, 110W at 20% duty cycle. Includes factory tuning and staging; ships unmounted.	\$3,
EP 2 RF AMPLIFIER OPTIONS:	
OPTION KSGA110B: 100W CONTINUOUS DUTY RF AMPLIFIER UPGRADE	\$2,
Upgrade to include external 100W continuous duty RF amplifier, 29.7-50.0MHz. Amplifier occupies 4 RU and is powered by the 40A 13.8VDC power supply included in the basic station configuration. Includes factory tuning, RF cables, wiring and internal antenna T-R relay.	
OPTION KSGA130B: 300W CONTINUOUS DUTY RF AMPLIFIER UPGRADE	\$10
Upgrade to include external 300W continuous duty RF amplifier, 29.7-50.0MHz. Amplifier occupies 5 RU and is powered by 120 / 240VAC power. Includes factory tuning, RF cables, wiring and internal antenna T-R relay. Note : This configuration cannot be used with the KSGPWR74 or KSGPWR84 battery backup power supply options.	
EP 3 POWER SUPPLY OPTIONS:	
OPTION KSGPWRX4: DELETE POWER SUPPLY	-\$
Delete 40A switching power supply from basic station configuration. Note : Not applicable when upgrading amplifier.	
OPTION KSGPWR74: 13.8VDC, 70A POWER SUPPLY UPGRADE	\$
Power supply upgrade to 13.8VDC at 70A continuous duty switching power supply with front panel metering, requires 2 RU. Replaces basic	
configuration 40A switching power supply. Will power up to 2 channels. Note : This item cannot be used with the KSGA130B Amplifier upgrade.	
OPTION KSGPWRB4: 13.8VDC, 70A POWER SUPPLY WITH SMARTCHARGER UPGRADE	\$1
Power supply upgrade to 13.8VDC at 70A continuous duty switching power supply with front panel metering, built-in SmartCharger, low-voltage disconnect and solid state no-break transfer diodes, requires 2 RU, includes sealed fuse holder and fuses for battery (battery not included). Replaces basic configuration 40A switching power supply. Will power up to 2 channels. Gel cell batteries are available; contact your Kenwood Systems Regional Sales Manager for details. Note: This item cannot be used with the KSGA130B Amplifier upgrade.	
EP 4 MOUNTING CONFIGURATION:	
OPTION KSGMRCK3: 17 RU (3') ALUMINUM EQUIPMENT RACK	\$1
Standard 3' aluminum equipment rack providing 17 RU vertical mounting. Pricing includes equipment installation, hardware, cabling and wire management materials, and cushioned shipping crate.	
OPTION KSGMRCK7: 45 RU (7') ALUMINUM EQUIPMENT RACK	\$1
Standard 7' aluminum equipment rack providing 45 RU vertical mounting. Pricing includes equipment installation, hardware, cabling and wire management materials, and cushioned shipping crate.	
OPTION KSGMCAB2: 20 RU (42") LOCKING CABINET	\$2
Locking cabinet, 42"H x 22"W x 24"D, providing 20 RU vertical mounting, solid front door, louvered rear door, perforated top panel. Pricing includes equipment installation, hardware, cabling and wire management materials, and cushioned shipping crate.	
OPTION KSGMCAB4: 40 RU (77") LOCKING CABINET	\$2
Locking cabinet, 77"H x 22"W x 24"D, providing 40 RU vertical mounting, solid front door, louvered rear door, perforated top panel. Pricing	

includes equipment installation, hardware, cabling and wire management materials, and cushioned shipping crate.



TKB-6900 Series Conventional Simplex Base Stations

29.7 - 50.0 MHz

	LIST
OPTION KSGMCABT: CABINET SOLID TOP UPGRADE Cabinet upgrade to solid top panel; replaces standard perforated top panel.	\$59
OPTION KSGMCABF: CABINET FAN TOP UPGRADE Cabinet upgrade to solid top panel with 10" diameter 120VAC fan, replaces standard perforated top panel. Can be mounted above panel or below; requires 2 RU clearance inside cabinet if mounted below panel.	\$433
OPTION KSGMCABB: CABINET INTERIOR SOLID BOTTOM UPGRADE Cabinet upgrade to add solid interior bottom panel inside cabinet, with 5 cable access openings (includes grommets and plugs).	\$89
STEP 5 OPTIONAL EQUIPMENT CONFIGURATIONS:	
WIRELINE REMOTE CONTROL OPTIONS: OPTION KSGTN02B: 2 CHANNEL TONE TERMINATION PANEL UPGRADE Upgrade to 2 channel tone termination panel, 2 or 4 wire, 600 Ohm balanced audio with monitor, installs in one station option bay.	\$70
OPTION KSGTN10B: 10 CHANNEL DISCRETE TONE TERMINATION PANEL UPGRADE Upgrade to 10 channel tone termination panel, 2 or 4 wire, 600 Ohm balanced audio with monitor, installs in one station option bay.	\$594
OPTION KSGTN16B: 16 CHANNEL BCD TONE TERMINATION PANEL UPGRADE Upgrade to 16 channel tone termination panel, 2 or 4 wire, 600 Ohm balanced audio with monitor, occupies 1 RU.	\$403
OPTION KSGTDC1B: 1 CHANNEL DC TERMINATION PANEL OPTION Replace 1 channel tone termination channel with 1 channel DC termination panel, 2 or 4 wire, 600 Ohm balanced audio with monitor, installs in one station option bay. Specify DC currents and function assignments at time of order.	\$0
OPTION KSGTALD2: 600 Ohm BALANCED AUDIO LINE DRIVER Replace 1 channel tone termination channel with 1 channel receive audio line driver panel, 2 wire 600 Ohm balanced output, installs in one station option bay.	\$0
MISC STATION OPTIONS:	
OPTION KSGVOT1A: SIGNAL-TO-NOISE VOTER 19" rack mount modular receiver voting comparator. Includes 1 station voter module for primary site; an additional station module is required for each additional voted receiver site.	\$7,487
OPTION KSGVOT2A: ADDITIONAL STATION MODULE Additional station voter module for signal-to-noise voting comparator. Occupies one card slot in KSGVOT1A chassis.	\$1,263
OPTION KSGOPTG1: PILOT TONE GENERATOR AND LINE DRIVER Internal pilot tone generator for use with voting systems, supplies 6000hm balanced two wire audio, installs in one station option bay.	\$641
OPTION KSGOCWID: MORSE CODE IDENTIFIER Addition to basic station, internal automatic Morse Code Identifier (CWID), installs inside basic station enclosure. Specify call sign at time of order. Includes programmer and cable.	\$131





TKR-7400 Series High Performance Base Stations and Repeaters 136 - 174 MHz

GENERAL:

TKR-7400 series VHF High Band Base Stations and Repeaters are integrated systems using high performance TKR-740 repeaters. The TKR-740 repeater occupies 1 RU and may be used as a 5W standalone low power station or as a driver for an external power amplifier. A conventional controller and a digital POCSAG paging transmitter are built into the TKR-740 repeater; paging terminal is not included.

OPTIONS:

Conventional station options include wire line remote control and external RF amplifiers with built-in T-R antenna switching for simplex operation. Trunking system options include external controllers for LTR and basic MPT-1327 applications; PassPort systems are available by individual quotation. High performance 6 cavity BpBr duplexers are listed as options; multichannel combining systems are quoted on an individual system basis. Power supply options include battery backup with integrated SmartCharger and Low Voltage Disconnect for the 40W and 110W configurations.

Cabinet options are 20 RU (42") and 40 RU (77") locking cabinets; 17 RU (3') or 45 RU (7') open equipment racks are also available. The basic TKR-740 repeater includes a 20A 13.8VDC switching power supply (47-63Hz, 115 or 230VAC); 40W and 110W amplifier options include an upgrade to a 40A switching power supply (the 40A power supply occupies 2 RU). Custom configurations are also available; contact your Kenwood Systems Regional Sales Manager for more details.

ORDERING INSTRUCTIONS:

Step 1: Determine the frequency sub-band:

K1 = 146 - 162 MHz Order TKR7400SK1 basic repeater K2 = 158 - 174 MHz Order TKR7400SK2 basic repeater K3 = 136 - 150 MHz Order TKR7400SK3 basic repeater

Step 2: Select an RF amplifier option.

Step 3: Select a Power Supply option.

Step 4: Select the desired mounting configuration.

Step 5: Select optional equipment or configuration changes.

Step 6: Add the basic configuration (Step 1) to the desired RF amplifier, power supply, mounting configuration and optional equipment (Steps 2-5) to determine configuration pricing. Specify frequencies, channel bandwidth and tone assignments with order.



TKR-7400 Series High Performance Base Stations and Repeaters

136 - 174 MHz

	LIS
EP 1 TKR-7400 BASIC CONFIGURATION:	
TKR7400SK1 BASIC CONFIGURATION, 146 - 162 MHz	\$3.2
TKR7400SK2 BASIC CONFIGURATION, 158 - 174 MHz	\$3,25
TKR7400SK3 BASIC CONFIGURATION, 136 - 150 MHz	\$3,25
TKR-7400 repeater / base station basic configuration includes 5W continuous duty repeater and 20A DC power supply. Includes factory tuning and staging, ships unmounted.	+3,
EP 2 RF AMPLIFIER OPTIONS:	
OPTION KSGA204S: 40W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR REPEATER STATION	\$1,60
Repeater station upgrade to include external 40W continuous duty RF amplifier, 136-174MHz. Amplifier occupies 4 RU and includes a 40A 13.8VDC power supply (upgrade from basic 20A power supply). Includes factory tuning, wiring and RF cables.	
OPTION KSGA204C: 40W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION	\$1,90
Base station upgrade to include external 40W continuous duty RF amplifier, 136-174MHz. Amplifier occupies 4 RU and includes a 40A 13.8VDC	
power supply (upgrade from basic 20 A power supply) and an integrated T-R antenna switching relay. Includes factory tuning, wiring and RF cables.	
OPTION KSGA211S: 110W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR REPEATER STATION	\$2,15
Repeater station upgrade to include external 110W continuous duty RF amplifier, 136-174MHz. Amplifier occupies 4 RU and includes a 40A 13.8VDC power supply (upgrade from basic 20A power supply). Includes factory tuning, wiring and RF cables.	
OPTION KSGA211C: 110W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION	\$2,22
Base station upgrade to include external 110W continuous duty RF amplifier, 136-174MHz. Amplifier occupies 4 RU and includes a 40A 13.8VDC power supply (upgrade from basic 20 A power supply) and an integrated T-R antenna switching relay. Includes factory tuning, wiring and RF cables.	
OPTION KSGA225R: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR REPEATER STATION	\$7,84
Repeater station upgrade to include external 250W continuous duty RF amplifier, 136-174MHz. Amplifier occupies 5 RU and is powered by 120 / 240 VAC power. Includes factory tuning, wiring and RF cables. Note : This configuration cannot be used with the KSGPWR72 or KSGPWRB2 battery backup power supply options.	
OPTION KSGA225B: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION	\$8,51
Base station upgrade to include external 250W continuous duty RF amplifier, 136-174MHz. Amplifier occupies 5 RU and is powered by 120 / 240VAC power. Includes factory tuning, RF cables and an integrated T-R antenna switching relay. Note : This configuration cannot be used with the KSGPWR72 or KSGPWRB2 battery backup power supply options.	4 0,0
TEP 3 POWER SUPPLY OPTIONS:	
OPTION KSGPWRX2: DELETE POWER SUPPLY	-\$24
Delete 20A switching power supply from basic station configuration. Note : Not applicable when upgrading amplifier or power supply.	
OPTION KSGPWR72: 13.8VDC, 70A POWER SUPPLY UPGRADE	\$1,10
Power supply upgrade to 13.8VDC at 70A continuous duty switching power supply with front panel metering, requires 2 RU. Replaces basic configuration 20A switching power supply. Will power up to 2 channels. Note : This item cannot be used with the 250W Amplifier upgrade.	
OPTION KSGPWRB2: 13.8VDC, 70A POWER SUPPLY WITH SMARTCHARGER UPGRADE	\$1,48
Power supply upgrade to 13.8VDC at 70A continuous duty switching power supply with front panel metering, built-in SmartCharger, low-voltage disconnect and solid state no-break transfer diodes, requires 2 RU, includes sealed fuse holder and fuses for battery (battery not included). Replaces basic configuration 20A switching power supply. Will power up to 2 channels. Gel cell batteries are available; contact your Kenwood Systems Regional Sales Manager for details. Note : This item cannot be used with the 250W Amplifier upgrade.	



TKR-7400 Series High Performance Base Stations and Repeaters

136 - 174 MHz

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P 4 MOUNTING CONFIGURATION:	
OPTION KSGMRCK3: 17 RU (3') ALUMINUM EQUIPMENT RACK	\$1
Standard 3' aluminum equipment rack providing 17 RU vertical mounting. Pricing includes equipment installation, hardware, cabling and wire management materials, and cushioned shipping crate.	
OPTION KSGMRCK7: 45 RU (7') ALUMINUM EQUIPMENT RACK	\$1
Standard 7' aluminum equipment rack providing 45 RU vertical mounting. Pricing includes equipment installation, hardware, cabling and wire management materials, and cushioned shipping crate.	
OPTION KSGMCAB2: 20 RU (42") LOCKING CABINET	\$2
Locking cabinet, 42"H x 22"W x 24"D, providing 20 RU vertical mounting, solid front door, louvered rear door, perforated top panel. Pricing includes equipment installation, hardware, cabling and wire management materials, and cushioned shipping crate.	
OPTION KSGMCAB4: 40 RU (77") LOCKING CABINET	\$2
Locking cabinet, 77"H x 22"W x 24"D, providing 40 RU vertical mounting, solid front door, louvered rear door, perforated top panel. Pricing includes equipment installation, hardware, cabling and wire management materials, and cushioned shipping crate.	
OPTION KSGMCABT: CABINET SOLID TOP UPGRADE	
Cabinet upgrade to solid top panel; replaces standard perforated top panel.	
OPTION KSGMCABF: CABINET FAN TOP UPGRADE	5
Cabinet upgrade to solid top panel with 10" diameter 120VAC fan, replaces standard perforated top panel. Can be mounted above panel or below; requires 2 RU clearance inside cabinet if mounted below panel.	
OPTION KSGMCABB: CABINET INTERIOR SOLID BOTTOM UPGRADE	
Cabinet upgrade to add solid interior bottom panel inside cabinet, with 5 cable access openings (includes grommets and plugs).	
P 5 OPTIONAL EQUIPMENT CONFIGURATIONS:	
IRELINE REMOTE CONTROL OPTIONS:	
OPTION KSGTN01A: 1 CHANNEL TONE TERMINATION PANEL	(
1 channel tone termination panel, 2 or 4 wire, 600 Ohm balanced audio with monitor, occupies 1 RU.	
OPTION KSGTN02A: 2 CHANNEL TONE TERMINATION PANEL	5
2 channel tone termination panel, 2 or 4 wire, 600 Ohm balanced audio with monitor, occupies 1 RU.	
OPTION KSGTN10A: 10 CHANNEL DISCRETE TONE TERMINATION PANEL	\$1
10 channel tone termination panel, 2 or 4 wire, 600 Ohm balanced audio with monitor, occupies 1 RU.	
OPTION KSGTN16A: 16 CHANNEL BCD TONE TERMINATION PANEL	9
16 channel tone termination panel, 2 or 4 wire, 600 Ohm balanced audio with monitor, occupies 1 RU.	
	9
OPTION KSGTDC1A: 1 CHANNEL DC TERMINATION PANEL	
OPTION KSGTDC1A: 1 CHANNEL DC TERMINATION PANEL 1 channel DC termination panel, 2 or 4 wire, 600 Ohm balanced audio with monitor, occupies 1 RU. Specify DC currents and functions at time of order.	
OPTION KSGTDC1A: 1 CHANNEL DC TERMINATION PANEL 1 channel DC termination panel, 2 or 4 wire, 600 Ohm balanced audio with monitor, occupies 1 RU. Specify DC currents and functions at time of order. OPTION KSGTALD1: 600 Ohm BALANCED AUDIO LINE DRIVER	9



TKR-7400 Series High Performance Base Stations and Repeaters

136 - 174 MHz

	LIST
EXTERNAL TRUNKING CONTROLLER OPTIONS:	
OPTION KSGC040L: LTR DISPATCH TRUNKING CONTROLLER	\$1,585
Raider LTR dispatch-only trunking controller. Includes setup, tuning and interface cable.	
OPTION KSGC050L: LTR DISPATCH & INTERCONNECT TRUNKING CONTROLLER	\$2,978
Marauder LTR dispatch and interconnect trunking controller. Includes setup, tuning and interface cable.	
OPTION KSGC452L: LTR DISPATCH TRUNKING CONTROLLER	\$1,856
Model 452 LTR dispatch-only trunking controller. Includes setup, tuning and interface cable.	
OPTION KSGC459L: LTR DISPATCH & INTERCONNECT TRUNKING CONTROLLER	\$3,577
Model 459 LTR dispatch and interconnect trunking controller. Includes setup, tuning and interface cable.	
OPTION KSGC807M: BASIC MPT-1327 TRUNKING CONTROLLER	\$7,382
Model 807 MPT trunking controller. Includes setup, tuning and interface cable.	
OPTION KSGC827M: BASIC MPT-1327 INTERCONNECT CONTROLLER	\$6,422
Model 827 MPT trunking controller. Includes setup, tuning and interface cable.	
OPTION KSGC844M: BASIC MPT-1327 MULTI-SITE CONTROLLER	\$10,012
Model 844 MPT multi-site controller. Includes setup, tuning and interface cable.	
OPTION KSGC427M: BASIC MPT-1327 PERIPHERAL EQUIPMENT INTERFACE	\$10,012
Model 427 MPT peripheral equipment with MAP-27 interface. Includes setup, tuning and interface cable.	
MISC STATION OPTIONS:	
OPTION KSGD2P1B: 6 CAVITY BpBr DUPLEXER, 400KHz MINIMUM SPACING, 150W	\$3,244
6 cavity BpBr duplexer, 150W continuous duty, minimum TX-RX spacing 400 kHz. Includes RF cables.	
OPTION KSGOMOD1: BASIC SITE MANAGEMENT MODEM	\$314
Generic site management modem, 2400 bps, for use with LTR controllers, includes interface cable.	
OPTION KSGOMOD2: HIGH PERFORMANCE SITE MANAGEMENT MODEM	\$887
High performance site management modem designed for extra stability in high RF environments, 2400 bps, for use with LTR controllers, includes interface cable.	
OPTION KSGVOT1A: SIGNAL-TO-NOISE VOTER	\$7,487
19" rack mount modular receiver voting comparator. Includes 1 station voter module for primary site; an additional station module is required for each additional voted receiver site.	
OPTION KSGVOT2A: ADDITIONAL STATION MODULE	\$1,263
Additional station voter module for signal-to-noise voting comparator. Occupies one card slot in KSGVOT1A chassis.	
OPTION KSGOPTG1: PILOT TONE GENERATOR AND LINE DRIVER	\$641
Internal pilot tone generator for use with voting systems, supplies 6000hm balanced two wire audio, installs in one station option bay.	

Effective Date: Feb. 1, 2006 Replaces Price List Dated Jan. 1, 2004

Note: Pre-Selectors, Multi-Couplers, and Combiners are available by special order. Please contact your Kenwood Systems Regional Sales Manager for more information.

Systems Division Product Price Guide



VHF High Band

TKR-7500 Series Base Stations and Repeaters

136 - 174 MHz

GENERAL:

TKR-7500 Series VHF High Band Base Stations and Repeaters are integrated systems using TKR-750 or TKR-751 repeaters depending on frequency sub-band. The TKR-750/751 repeater occupies 2 RU and may be used as a continuous-duty 25W standalone low power station or as a driver for an external power amplifier. A conventional controller is built into the TKR-750/751 repeaters.

OPTIONS:

Conventional station options include wire line remote control and external RF amplifiers with built-in T-R antenna switching for simplex operation. Trunking system options include external controllers for LTR and basic MPT-1327 applications; PassPort systems are available by individual quotation. High performance 6 cavity BpBr duplexers are listed as options; multichannel combining systems are quoted on an individual system basis. Power supply options include battery backup with integrated SmartCharger and Low Voltage Disconnect for the 40W and 110W configurations.

Cabinet options are 20 RU (42") and 40 RU (77") locking cabinets; 17 RU (3') or 45 RU (7') open equipment racks are also available. The basic TKR-750/751 repeater includes a 20A 13.8VDC switching power supply (47-63Hz, 115 or 230VAC); 40W and 110W amplifier options include an upgrade to a 40A switching power supply (the 40A power supply occupies 2 RU). Custom configurations are also available; contact your Kenwood Systems Regional Sales Manager for more details.

ORDERING INSTRUCTIONS:

Step 1: Determine the frequency sub-band:

K1 = 146 - 174 MHz Order TKR7510SK1 basic repeater K2 = 136 - 146 MHz Order TKR7500SK2 basic repeater

Step 2: Select an RF amplifier option.

Step 3: Select a Power Supply option.

Step 4: Select the desired mounting configuration.

Step 5: Select optional equipment or configuration changes.

Step 6: Add the basic configuration (Step 1) to the desired RF amplifier, power supply, mounting configuration and optional equipment (Steps 2-5) to determine configuration pricing. Specify frequencies, channel bandwidth and tone assignments with order.



TKR-7500 Series Base Stations and Repeaters

136 - 174 MHz

	LIS
EP 1 TKR-7500 BASIC CONFIGURATION:	
TKR7510SK1 BASIC CONFIGURATION. TKR7510SK1 BASIC CONFIGURATION, 146 - 174 MHz	\$1,72
TKR7500SK2 BASIC CONFIGURATION, 136 - 146 MHz	\$2,03
TKR-7500 Series repeater / base station basic configuration includes 25W continuous duty repeater and 20A DC power supply. Includes factory tuning and staging, ships unmounted.	φ2,03
EP 2 RF AMPLIFIER OPTIONS:	
OPTION KSGA204R: 40W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR REPEATER STATION	\$1,73
Repeater station upgrade to include external 40W continuous duty RF amplifier, 136-174MHz. Amplifier occupies 4 RU and includes a 40A 13.8VDC	
power supply (upgrade from basic 20A power supply). Includes factory tuning, wiring and RF cables.	
OPTION KSGA204B: 40W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION	\$2,02
Base station upgrade to include external 40W continuous duty RF amplifier, 136-174MHz. Amplifier occupies 4 RU and includes a 40A 13.8VDC	
power supply (upgrade from basic 20 A power supply) and an integrated T-R antenna switching relay. Includes factory tuning, wiring and RF cables.	
OPTION KSGA211R: 110W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR REPEATER STATION	\$2,28
Repeater station upgrade to include external 110W continuous duty RF amplifier, 136-174MHz. Amplifier occupies 4 RU and includes a 40A 13.8VDC	
power supply (upgrade from basic 20A power supply). Includes factory tuning, wiring and RF cables.	
OPTION KSGA211B: 110W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION	\$2,35
Base station upgrade to include external 110W continuous duty RF amplifier, 136-174MHz. Amplifier occupies 4 RU and includes a 40A 13.8VDC	
power supply (upgrade from basic 20 A power supply) and an integrated T-R antenna switching relay. Includes factory tuning, wiring and RF cables.	
OPTION KSGA225R: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR REPEATER STATION	\$7,84
Repeater station upgrade to include external 250W continuous duty RF amplifier, 136-174MHz. Amplifier occupies 5 RU and is powered by 120 /	
240 VAC power. Includes factory tuning, wiring and RF cables. Note : This configuration cannot be used with the KSGPWR72 or KSGPWRB2 battery backup power supply options.	
OPTION KSGA211B: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION	\$8,51
Base station upgrade to include external 250W continuous duty RF amplifier, 136-174MHz. Amplifier occupies 5 RU and is powered by 120 /	, -,-
240VAC power. Includes factory tuning, wiring, RF cables and an integrated T-R antenna switching relay. Note : This configuration cannot be used with the KSGPWR72 or KSGPWRB2 battery backup power supply options.	
EP 3 POWER SUPPLY OPTIONS:	
OPTION KSGPWRX2: DELETE POWER SUPPLY	-\$24
Delete 20A switching power supply from basic station configuration. Note : Not applicable when upgrading amplifier or power supply.	
OPTION KSGPWR72: 13.8VDC, 70A POWER SUPPLY UPGRADE	\$1,10
Power supply upgrade to 13.8VDC at 70A continuous duty switching power supply with front panel metering, requires 2 RU. Replaces basic	
configuration 20A switching power supply. Will power up to 2 channels. Note : This item cannot be used with the 250W Amplifier upgrade.	
OPTION KSGPWRB2: 13.8VDC, 70A POWER SUPPLY WITH SMARTCHARGER UPGRADE	\$1,48
Power supply upgrade to 13.8VDC at 70A continuous duty switching power supply with front panel metering, built-in SmartCharger, low-voltage	
disconnect and solid state no-break transfer diodes, requires 2 RU, includes sealed fuse holder and fuses for battery (battery not included). Replaces	
basic configuration 20A switching power supply. Will power up to 2 channels. Gel cell batteries are available; contact your Kenwood Systems	
Regional Sales Manager for details. Note : This item cannot be used with the 250W Amplifier upgrade.	

Effective Date: Feb. 1, 2006 Replaces Price List Dated Jan. 1, 2004



TKR-7500 Series Base Stations and Repeaters

136 - 174 MHz

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P 4 MOUNTING CONFIGURATION:	
OPTION KSGMRCK3: 17 RU (3') ALUMINUM EQUIPMENT RACK	\$1
Standard 3' aluminum equipment rack providing 17 RU vertical mounting. Pricing includes equipment installation, hardware, cabling and wire management materials, and cushioned shipping crate.	·
OPTION KSGMRCK7: 45 RU (7') ALUMINUM EQUIPMENT RACK	\$1
Standard 7' aluminum equipment rack providing 45 RU vertical mounting. Pricing includes equipment installation, hardware, cabling and wire management materials, and cushioned shipping crate.	
OPTION KSGMCAB2: 20 RU (42") LOCKING CABINET	\$2
Locking cabinet, 42"H x 22"W x 24"D, providing 20 RU vertical mounting, solid front door, louvered rear door, perforated top panel. Pricing includes equipment installation, hardware, cabling and wire management materials, and cushioned shipping crate.	
OPTION KSGMCAB4: 40 RU (77") LOCKING CABINET	\$2
Locking cabinet, 77"H x 22"W x 24"D, providing 40 RU vertical mounting, solid front door, louvered rear door, perforated top panel. Pricing includes equipment installation, hardware, cabling and wire management materials, and cushioned shipping crate.	
OPTION KSGMCABT: CABINET SOLID TOP UPGRADE	
Cabinet upgrade to solid top panel; replaces standard perforated top panel.	
OPTION KSGMCABF: CABINET FAN TOP UPGRADE	;
Cabinet upgrade to solid top panel with 10" diameter 120VAC fan, replaces standard perforated top panel. Can be mounted above panel or below; requires 2 RU clearance inside cabinet if mounted below panel.	
OPTION KSGMCABB: CABINET INTERIOR SOLID BOTTOM UPGRADE	
Cabinet upgrade to add solid interior bottom panel inside cabinet, with 5 cable access openings (includes grommets and plugs).	
P 5 OPTIONAL EQUIPMENT CONFIGURATIONS:	
IRELINE REMOTE CONTROL OPTIONS:	
OPTION KSGTN01A: 1 CHANNEL TONE TERMINATION PANEL	5
1 channel tone termination panel, 2 or 4 wire, 600 Ohm balanced audio with monitor, occupies 1 RU.	
OPTION KSGTN02A: 2 CHANNEL TONE TERMINATION PANEL	5
2 channel tone termination panel, 2 or 4 wire, 600 Ohm balanced audio with monitor, occupies 1 RU.	
OPTION KSGTN10A: 10 CHANNEL DISCRETE TONE TERMINATION PANEL	\$1
10 channel tone termination panel, 2 or 4 wire, 600 Ohm balanced audio with monitor, occupies 1 RU.	
OPTION KSGTN16B: 16 CHANNEL BCD TONE TERMINATION PANEL	5
40 shared transfer for any 10 and view 2000 Ohra halos and sudden with any item and the A DII	
16 channel tone termination panel, 2 or 4 wire, 600 Ohm balanced audio with monitor, occupies 1 RU.	
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	\$
OPTION KSGTDC1A: 1 CHANNEL DC TERMINATION PANEL	9



TKR-7500 Series Base Stations and Repeaters

136 - 174 MHz

	LIST
EXTERNAL TRUNKING CONTROLLER OPTIONS:	
OPTION KSGC040L: LTR DISPATCH TRUNKING CONTROLLER	\$1,585
Raider LTR dispatch-only trunking controller. Includes setup, tuning and interface cable.	
OPTION KSGC050L: LTR DISPATCH & INTERCONNECT TRUNKING CONTROLLER	\$2,978
Marauder LTR dispatch and interconnect trunking controller. Includes setup, tuning and interface cable.	
OPTION KSGC452L: LTR DISPATCH TRUNKING CONTROLLER	\$1,856
Model 452 LTR dispatch-only trunking controller. Includes setup, tuning and interface cable.	
OPTION KSGC459L: LTR DISPATCH & INTERCONNECT TRUNKING CONTROLLER	\$3,577
Model 459 LTR dispatch and interconnect trunking controller. Includes setup, tuning and interface cable.	
OPTION KSGC807M: BASIC MPT-1327 TRUNKING CONTROLLER	\$7,385
Model 807 MPT trunking controller. Includes setup, tuning and interface cable.	
OPTION KSGC827M: BASIC MPT-1327 INTERCONNECT CONTROLLER	\$6,422
Model 827 MPT trunking controller. Includes setup, tuning and interface cable.	
OPTION KSGC844M: BASIC MPT-1327 MULTI-SITE CONTROLLER	\$10,012
Model 844 MPT multi-site controller. Includes setup, tuning and interface cable.	
OPTION KSGC427M: BASIC MPT-1327 PERIPHERAL EQUIPMENT INTERFACE	\$10,012
Model 427 MPT peripheral equipment with MAP-27 interface. Includes setup, tuning and interface cable.	
MISC STATION OPTIONS:	
OPTION KSGD2P1B: 6 CAVITY BpBr DUPLEXER, 400KHz MINIMUM SPACING, 150W	\$3,244
6 cavity BpBr duplexer, 150W continuous duty, minimum TX-RX spacing 400 kHz. Includes RF cables.	
OPTION KSGOMOD1: BASIC SITE MANAGEMENT MODEM	\$314
Generic site management modem, 2400 bps, for use with LTR controllers, includes interface cable.	
OPTION KSGOMOD2: HIGH PERFORMANCE SITE MANAGEMENT MODEM	\$887
High performance site management modem designed for extra stability in high RF environments, 2400 bps, for use with LTR controllers, includes interface cable.	
OPTION KSGVOT1A: SIGNAL-TO-NOISE VOTER	\$7,487
19" rack mount modular receiver voting comparator. Includes 1 station voter module for primary site; an additional station module is required for each additional voted receiver site.	
OPTION KSGVOT2A: ADDITIONAL STATION MODULE	\$1,263
Additional station voter module for signal-to-noise voting comparator. Occupies one card slot in KSGVOT1A chassis.	
OPTION KSGOPTG1: PILOT TONE GENERATOR AND LINE DRIVER	\$641
Internal pilot tone generator for use with voting systems, supplies 6000hm balanced two wire audio, installs in one station option bay.	

Effective Date: Feb. 1, 2006 Replaces Price List Dated Jan. 1, 2004

Note: Pre-Selectors, Multi-Couplers, and Combiners are available by special order. Please contact your Kenwood Systems Regional Sales Manager for more information.

Systems Division Product Price Guide



UHF

TKR-8400 Series High Performance Base Stations and Repeaters 450 - 512 MHz

GENERAL:

TKR-8400 series UHF High Performance Base Stations and Repeaters are integrated systems using high performance TKR-840 repeaters. The TKR-840 repeater occupies 1 RU and may be used as a 5W standalone low power station or as a driver for an external power amplifier. A conventional controller and a digital POCSAG paging transmitter are built into the TKR-840 repeater; paging terminal is not included.

OPTIONS:

Conventional station options include wire line remote control and external RF amplifiers with built-in T-R antenna switching for simplex operation. Trunking system options include external controllers for LTR and basic MPT-1327 applications; PassPort systems are available by individual quotation. High performance 6 cavity BpBr duplexers are listed as options; multichannel combining systems are quoted on an individual system basis. Power supply options include battery backup with integrated SmartCharger and Low Voltage Disconnect for the 40W and 100W configurations.

Cabinet options are 20 RU (42") and 40 RU (77") locking cabinets; 17 RU (3') or 45 RU (7') open equipment racks are also available. The basic TKR-840 repeater includes a 20A 13.8VDC switching power supply (47-63Hz, 115 or 230VAC); 40W and 100W amplifier options include an upgrade to a 40A switching power supply (the 40A power supply occupies 2 RU). Custom configurations are also available; contact your Kenwood Systems Regional Sales Manager for more details.

ORDERING INSTRUCTIONS:

Step 1: Determine the frequency sub-band:

K1 = 450 - 480 MHz Order TKR8400SK1 basic repeater K2 = 480 - 512 MHz Order TKR8400SK2 basic repeater

Step 2: Select an RF amplifier option.

Step 3: Select a Power Supply option.

Step 4: Select the desired mounting configuration.

Step 5: Select optional equipment or configuration changes.

Step 6: Add the basic configuration (Step 1) to the desired RF amplifier, power supply, mounting configuration and optional equipment (Steps 2-5) to determine configuration pricing. Specify frequencies, channel bandwidth and tone assignments with order.



TKR-8400 Series High Performance Base Stations and Repeaters

450 - 512 MHz

TKR8400 Repeater / Dases station basic configuration includes 5W continuous duty repeater and 20A DC power supply. Includes factory tuning and staging, ships unmounted. P 2 - RF AMPLIFIER OPTIONS: OPTION KSGA304S: 40W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR REPEATER STATION Repeater station upgrade to include external 40W continuous duty RF amplifier, 400-512MHz. Amplifier occupies 4 RU and includes a 40A 13.8VDC power supply (upgrade from basic 20A power supply). Includes factory tuning, wiring and RF cables. OPTION KSGA304C: 40W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION Base station upgrade to include external 40W continuous duty RF amplifier, 400-512MHz. Amplifier occupies 4 RU and includes a 40A 13.8VDC power supply (upgrade from basic 20 A power supply) and an integrated T-R antenna switching relay. Includes factory tuning, wiring and RF cables. OPTION KSGA310S: 100W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR REPEATER STATION \$ Repeater station upgrade to include external 40W continuous duty RF amplifier, 400-512MHz. Amplifier occupies 4 RU and includes a 40A 13.8VDC power supply (upgrade from basic 20A power supply). Includes factory tuning, wiring and RF cables. OPTION KSGA310C: 100W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR REPEATER STATION \$ assess station upgrade to include external 100W continuous duty RF amplifier, 400-512MHz. Amplifier occupies 4 RU and includes a 40A 13.8VDC power supply (upgrade from basic 20A power supply) and an integrated T-R antenna switching relay. Includes factory tuning, wiring and RF cables. OPTION KSGA310C: 100W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION \$ 140 VAC power. Includes factory tuning, wiring and RF cables. Note: This configuration cannot be used with the KSGPWR72 or KSGPWR82 battery backup power supply options. OPTION KSGA325B: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION \$ 140 VAC power. Includes factory tuning, wiring and RF cables. Note: This configuration cannot be used with the KSGPWR72 or KSGPWR82 battery b		LIS
TKR8400SK1 BASIC CONFIGURATION, 450 - 480 MHz TKR8400SK2 BASIC CONFIGURATION, 480 - 512 MHz TKR8400SK2 BASIC CONFIGURATION, 480 - 512 MHz TKR8400 repeater / base station basic configuration includes 5W continuous duty repeater and 20A DC power supply. Includes factory tuning and staging, ships unmounted. P 2 RF AMPLIFIER OPTIONS: OPTION KSGA304S: 40W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR REPEATER STATION Repeater station upgrade to include external 40W continuous duty RF amplifler, 400-512MHz. Amplifler occupies 4 RU and includes a 40A 13.8VDC power supply (upgrade from basic 20A power supply). Includes factory tuning, writing and RF cables. OPTION KSGA304C: 40W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION Base station upgrade to include external 40W continuous duty RF amplifler, 400-512MHz. Amplifler occupies 4 RU and includes a 40A 13.8VDC power supply (upgrade from basic 20A power supply) and an integrated T-R antenna switching relay. Includes factory tuning, writing and RF cables. OPTION KSGA310S: 100W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR REPEATER STATION \$ Repeater station upgrade to include external 100W continuous duty RF amplifler, 400-512MHz. Amplifler occupies 4 RU and includes a 40A 13.8VDC power supply (upgrade from basic 20A power supply). Includes factory tuning, writing and RF cables. OPTION KSGA310C: 100W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION \$ Base station upgrade to include external 100W continuous duty RF amplifler, 400-512MHz. Amplifler occupies 4 RU and includes a 40A 13.8VDC power supply (upgrade from basic 20A power supply) and an integrated T-R antenna switching relay. Includes factory tuning, writing and RF cables. OPTION KSGA325R: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR REPEATER STATION \$ 1 Repeater station upgrade to include external 250W continuous duty RF amplifler, 400-512MHz. Amplifler occupies 5 RU and is powered by 120 / 240 VAC power. Includes factory tuning, writing and RF cables. OPTION KSGA325B: 250W CONTINUOUS DUTY R	D 4 TVD 9400 DASIC CONFICURATION:	
TKR8400 REPAIR* A SAIC CONFIGURATION, 480 - 512 MHz TKR8400 repeater / base station basic configuration includes 5W continuous duty repeater and 20A DC power supply. Includes factory tuning and staging, ships unmounted. P 2 RF AMPLIFIER OPTIONS: OPTION KSGA304S: 40W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR REPEATER STATION Repeater station upgrade to include external 40W continuous duty RF amplifier, 400-512MHz. Amplifier occupies 4 RU and includes a 40A 13.8VDC power supply (upgrade from basic 20A power supply). Includes factory tuning, wiring and RF cables. OPTION KSGA304C: 40W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION Base station upgrade to include external 40W continuous duty RF amplifier, 400-512MHz. Amplifier occupies 4 RU and includes a 40A 13.8VDC power supply (upgrade from basic 20A power supply) and an integrated T-R antenna switching relay. Includes factory tuning, wiring and RF cables. OPTION KSGA310S: 100W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR REPEATER STATION Repeater station upgrade to include external 100W continuous duty RF amplifier, 400-512MHz. Amplifier occupies 4 RU and includes a 40A 13.8VDC power supply (upgrade from basic 20A power supply). Includes factory tuning, wiring and RF cables. OPTION KSGA310C: 100W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION Base station upgrade to include external 100W continuous duty RF amplifier, 400-512MHz. Amplifier occupies 4 RU and includes a 40A 13.8VDC power supply (upgrade from basic 20A power supply) and an integrated T-R antenna switching relay. Includes factory tuning, wiring and RF cables. OPTION KSGA325R: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION Repeater station upgrade to include external 250W continuous duty RF amplifier, 400-512MHz. Amplifier occupies 4 RU and includes a 40A 13.8VDC power supply options. OPTION KSGAWA25R: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION S1 Base station upgrade to include external 250W continuous duty RF amplifier, 400-512MHz. Amplifier occu		\$3,3
TKR-8400 repeater / base station basic configuration includes 5W continuous duty repeater and 20A DC power supply. Includes factory tuning and staging, ships unmounted. P 2 - RF AMPLIFIER OPTIONS: OPTION KSGA304S: 40W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR REPEATER STATION Repeater station upgrade to include external 40W continuous duty RF amplifier, 400-512MHz. Amplifier occupies 4 RU and includes a 40A 13.8VDC power supply (upgrade from basic 20A power supply). Includes factory tuning, wiring and RF cables. OPTION KSGA304C: 40W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION Base station upgrade to include external 40W continuous duty RF amplifier, 400-512MHz. Amplifier occupies 4 RU and includes a 40A 13.8VDC power supply (upgrade from basic 20 A power supply) and an integrated T-R antenna switching relay. Includes factory tuning, wiring and RF cables. OPTION KSGA310S: 100W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR REPEATER STATION \$ Repeater station upgrade to include external 100W continuous duty RF amplifier, 400-512MHz. Amplifier occupies 4 RU and includes a 40A 13.8VDC power supply (upgrade from basic 20A power supply). Includes factory tuning, wiring and RF cables. OPTION KSGA310C: 100W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION \$ Base station upgrade to include external 100W continuous duty RF amplifier, 400-512MHz. Amplifier occupies 4 RU and includes a 40A 13.8VDC power supply (upgrade from basic 20A power supply) and an integrated T-R antenna switching relay. Includes factory tuning, wiring and RF cables. OPTION KSGA325R: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR REPEATER STATION \$1 Repeater station upgrade to include external 250W continuous duty RF amplifier, 400-512MHz. Amplifier occupies 5 RU and is powered by 120 / 240 VAC power. Includes factory tuning, wiring and RF cables. Note: This configuration cannot be used with the KSGPWR72 or KSGPWR82 battery backup power supply continuous duty RF amplifier, 400-512MHz. Amplifier occupies 5 RU and is powered by 120 /	·	\$3,3
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OPTION KSGA304C: 40W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION Base station upgrade to include external 40W continuous duty RF amplifier, 400-512MHz. Amplifier occupies 4 RU and includes a 40A 13.8VDC power supply (upgrade from basic 20 A power supply) and an integrated T-R antenna switching relay. Includes factory tuning, wiring and RF cables. OPTION KSGA310S: 100W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR REPEATER STATION Repeater station upgrade to include external 100W continuous duty RF amplifier, 400-512MHz. Amplifier occupies 4 RU and includes a 40A 13.8VDC power supply (upgrade from basic 20A power supply). Includes factory tuning, wiring and RF cables. OPTION KSGA310C: 100W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION Base station upgrade to include external 100W continuous duty RF amplifier, 400-512MHz. Amplifier occupies 4 RU and includes a 40A 13.8VDC power supply (upgrade from basic 20 A power supply) and an integrated T-R antenna switching relay. Includes factory tuning, wiring and RF cables. OPTION KSGA325R: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR REPEATER STATION Repeater station upgrade to include external 250W continuous duty RF amplifier, 400-512MHz. Amplifier occupies 5 RU and is powered by 120 / 240 VAC power. Includes factory tuning, wiring and RF cables. Note: This configuration cannot be used with the KSGPWR72 or KSGPWRB2 battery backup power supply options. OPTION KSGA325B: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION \$1 Base station upgrade to include external 250W continuous duty RF amplifier, 400-512MHz. Amplifier occupies 5 RU and is powered by 120 / 240 VAC power. Includes factory tuning, wiring and RF cables an integrated T-R antenna switching relay. Note: This configuration cannot be used with the KSGPWR72 or KSGPWRB2 battery backup power supply options. P3	Repeater station upgrade to include external 40W continuous duty RF amplifier, 400-512MHz. Amplifier occupies 4 RU and includes a 40A	
Base station upgrade to include external 40W continuous duty RF ampliffer, 400-512MHz. Ampliffer occupies 4 RU and includes a 40A 13.8VDC power supply (upgrade from basic 20 A power supply) and an integrated T-R antenna switching relay. Includes factory tuning, wiring and RF cables. OPTION KSGA310S: 100W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR REPEATER STATION Repeater station upgrade to include external 100W continuous duty RF ampliffer, 400-512MHz. Ampliffer occupies 4 RU and includes a 40A 13.8VDC power supply (upgrade from basic 20A power supply). Includes factory tuning, wiring and RF cables. OPTION KSGA310C: 100W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION Base station upgrade to include external 100W continuous duty RF ampliffer, 400-512MHz. Ampliffer occupies 4 RU and includes a 40A 13.8VDC power supply (upgrade from basic 20 A power supply) and an integrated T-R antenna switching relay. Includes factory tuning, wiring and RF cables. OPTION KSGA325R: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR REPEATER STATION \$1 Repeater station upgrade to include external 250W continuous duty RF ampliffer, 400-512MHz. Ampliffer occupies 5 RU and is powered by 120 / 240 VAC power. Includes factory tuning, wiring and RF cables. Note: This configuration cannot be used with the KSGPWR72 or KSGPWR82 battery backup power supply options. OPTION KSGA325B: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION \$1 Base station upgrade to include external 250W continuous duty RF ampliffer, 400-512MHz. Ampliffer occupies 5 RU and is powered by 120 / 240VAC power. Includes factory tuning, wiring, RF cables and an integrated T-R antenna switching relay. Note: This configuration cannot be used with the KSGPWR72 or KSGPWR82 battery backup power supply options. **P 3 POWER SUPPLY OPTIONS:** OPTION KSGPWR72: 13.8VDC, 70A POWER SUPPLY UPGRADE Power supply upgrade to 13.8VDC at 70A continuous duty switching power supply with front panel metering, requires 2 RU. Replaces basic	13.8VDC power supply (upgrade from basic 20A power supply). Includes factory tuning, wiring and RF cables.	
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OPTION KSGA310S: 100W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR REPEATER STATION Repeater station upgrade to include external 100W continuous duty RF amplifier, 400-512MHz. Amplifier occupies 4 RU and includes a 40A 13.8VDC power supply (upgrade from basic 20A power supply). Includes factory tuning, wiring and RF cables. OPTION KSGA310C: 100W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION Base station upgrade to include external 100W continuous duty RF amplifier, 400-512MHz. Amplifier occupies 4 RU and includes a 40A 13.8VDC power supply (upgrade from basic 20 A power supply) and an integrated T-R antenna switching relay. Includes factory tuning, wiring and RF cables. OPTION KSGA325R: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR REPEATER STATION Repeater station upgrade to include external 250W continuous duty RF amplifier, 400-512MHz. Amplifier occupies 5 RU and is powered by 120 / 240 VAC power. Includes factory tuning, wiring and RF cables. Note: This configuration cannot be used with the KSGPWR72 or KSGPWR82 battery backup power supply options. OPTION KSGA325B: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION S1 Base station upgrade to include external 250W continuous duty RF amplifier, 400-512MHz. Amplifier occupies 5 RU and is powered by 120 / 240 VAC power. Includes factory tuning, wiring, RF cables and an integrated T-R antenna switching relay. Note: This configuration cannot be used with the KSGPWR72 or KSGPWRB2 battery backup power supply options. OPTION KSGPWR72: DELETE POWER SUPPLY Delete 20A switching power supply from basic station configuration. Note: Not applicable when upgrading amplifier or power supply. OPTION KSGPWR72: 13.8VDC, 70A POWER SUPPLY UPGRADE Power supply upgrade to 13.8VDC, at 70A continuous duty switching power supply with front panel metering, requires 2 RU. Replaces basic	Base station upgrade to include external 40W continuous duty RF amplifier, 400-512MHz. Amplifier occupies 4 RU and includes a 40A 13.8VDC	
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OPTION KSGA310C: 100W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION Base station upgrade to include external 100W continuous duty RF amplifier, 400-512MHz. Amplifier occupies 4 RU and includes a 40A 13.8VDC power supply (upgrade from basic 20 A power supply) and an integrated T-R antenna switching relay. Includes factory tuning, wiring and RF cables. OPTION KSGA325R: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR REPEATER STATION Repeater station upgrade to include external 250W continuous duty RF amplifier, 400-512MHz. Amplifier occupies 5 RU and is powered by 120 / 240 VAC power. Includes factory tuning, wiring and RF cables. Note: This configuration cannot be used with the KSGPWR72 or KSGPWRB2 battery backup power supply options. OPTION KSGA325B: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION Base station upgrade to include external 250W continuous duty RF amplifier, 400-512MHz. Amplifier occupies 5 RU and is powered by 120 / 240VAC power. Includes factory tuning, wiring, RF cables and an integrated T-R antenna switching relay. Note: This configuration cannot be used with the KSGPWR72 or KSGPWRB2 battery backup power supply options. IP 3 POWER SUPPLY OPTIONS: OPTION KSGPWR72: DELETE POWER SUPPLY Delete 20A switching power supply from basic station configuration. Note: Not applicable when upgrading amplifier or power supply. OPTION KSGPWR72: 13.8VDC, 70A POWER SUPPLY UPGRADE Power supply upgrade to 13.8VDC at 70A continuous duty switching power supply with front panel metering, requires 2 RU. Replaces basic	Repeater station upgrade to include external 100W continuous duty RF amplifier, 400-512MHz. Amplifier occupies 4 RU and includes a 40A	
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OPTION KSGA325R: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR REPEATER STATION Repeater station upgrade to include external 250W continuous duty RF amplifier, 400-512MHz. Amplifier occupies 5 RU and is powered by 120 / 240 VAC power. Includes factory tuning, wiring and RF cables. Note: This configuration cannot be used with the KSGPWR72 or KSGPWRB2 battery backup power supply options. OPTION KSGA325B: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION Base station upgrade to include external 250W continuous duty RF amplifier, 400-512MHz. Amplifier occupies 5 RU and is powered by 120 / 240VAC power. Includes factory tuning, wiring, RF cables and an integrated T-R antenna switching relay. Note: This configuration cannot be used with the KSGPWR72 or KSGPWRB2 battery backup power supply options. IP 3 POWER SUPPLY OPTIONS: OPTION KSGPWRX2: DELETE POWER SUPPLY Delete 20A switching power supply from basic station configuration. Note: Not applicable when upgrading amplifier or power supply. OPTION KSGPWR72: 13.8VDC, 70A POWER SUPPLY UPGRADE Power supply upgrade to 13.8VDC at 70A continuous duty switching power supply with front panel metering, requires 2 RU. Replaces basic	Base station upgrade to include external 100W continuous duty RF amplifier, 400-512MHz. Amplifier occupies 4 RU and includes a 40A 13.8VDC	
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DPTION KSGA325B: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION Base station upgrade to include external 250W continuous duty RF amplifier, 400-512MHz. Amplifier occupies 5 RU and is powered by 120 / 240VAC power. Includes factory tuning, RF cables and an integrated T-R antenna switching relay. Note: This configuration cannot be used with the KSGPWR72 or KSGPWRB2 battery backup power supply options. P3 POWER SUPPLY OPTIONS: OPTION KSGPWRX2: DELETE POWER SUPPLY Delete 20A switching power supply from basic station configuration. Note: Not applicable when upgrading amplifier or power supply. OPTION KSGPWR72: 13.8VDC, 70A POWER SUPPLY UPGRADE Power supply upgrade to 13.8VDC at 70A continuous duty switching power supply with front panel metering, requires 2 RU. Replaces basic	Repeater station upgrade to include external 250W continuous duty RF amplifier, 400-512MHz. Amplifier occupies 5 RU and is powered by 120 /	
OPTION KSGA325B: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION Base station upgrade to include external 250W continuous duty RF amplifier, 400-512MHz. Amplifier occupies 5 RU and is powered by 120 / 240VAC power. Includes factory tuning, RF cables and an integrated T-R antenna switching relay. Note: This configuration cannot be used with the KSGPWR72 or KSGPWRB2 battery backup power supply options. P3 POWER SUPPLY OPTIONS: OPTION KSGPWRX2: DELETE POWER SUPPLY Delete 20A switching power supply from basic station configuration. Note: Not applicable when upgrading amplifier or power supply. OPTION KSGPWR72: 13.8VDC, 70A POWER SUPPLY UPGRADE Power supply upgrade to 13.8VDC at 70A continuous duty switching power supply with front panel metering, requires 2 RU. Replaces basic		
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240VAC power. Includes factory tuning, wiring, RF cables and an integrated T-R antenna switching relay. Note: This configuration cannot be used with the KSGPWR72 or KSGPWRB2 battery backup power supply options. P3 POWER SUPPLY OPTIONS: OPTION KSGPWRX2: DELETE POWER SUPPLY Delete 20A switching power supply from basic station configuration. Note: Not applicable when upgrading amplifier or power supply. OPTION KSGPWR72: 13.8VDC, 70A POWER SUPPLY UPGRADE Power supply upgrade to 13.8VDC at 70A continuous duty switching power supply with front panel metering, requires 2 RU. Replaces basic		\$12,14
with the KSGPWR72 or KSGPWRB2 battery backup power supply options. P3 POWER SUPPLY OPTIONS: OPTION KSGPWRX2: DELETE POWER SUPPLY Delete 20A switching power supply from basic station configuration. Note: Not applicable when upgrading amplifier or power supply. OPTION KSGPWR72: 13.8VDC, 70A POWER SUPPLY UPGRADE Power supply upgrade to 13.8VDC at 70A continuous duty switching power supply with front panel metering, requires 2 RU. Replaces basic		
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OPTION KSGPWR72: 13.8VDC, 70A POWER SUPPLY UPGRADE Power supply upgrade to 13.8VDC at 70A continuous duty switching power supply with front panel metering, requires 2 RU. Replaces basic		-\$2
Power supply upgrade to 13.8VDC at 70A continuous duty switching power supply with front panel metering, requires 2 RU. Replaces basic	Delete 20A switching power supply from basic station configuration. Note : Not applicable when upgrading amplifier or power supply.	
	OPTION KSGPWR72: 13.8VDC, 70A POWER SUPPLY UPGRADE	\$1,1
configuration 20A switching power supply. Will power up to 2 channels. Note : This item cannot be used with the 250W Amplifier upgrade.	Power supply upgrade to 13.8VDC at 70A continuous duty switching power supply with front panel metering, requires 2 RU. Replaces basic	
	configuration 20A switching power supply. Will power up to 2 channels. Note : This item cannot be used with the 250W Amplifier upgrade.	
OPTION KSGPWRB2: 13.8VDC, 70A POWER SUPPLY WITH SMARTCHARGER UPGRADE \$	OPTION KSGPWRB2: 13.8VDC, 70A POWER SUPPLY WITH SMARTCHARGER UPGRADE	\$1,4
Power supply upgrade to 13.8VDC at 70A continuous duty switching power supply with front panel metering, built-in SmartCharger, low-voltage	Power supply upgrade to 13.8VDC at 70A continuous duty switching power supply with front panel metering, built-in SmartCharger, low-voltage	
disconnect and solid state no-break transfer diodes, requires 2 RU, includes sealed fuse holder and fuses for battery (battery not included). Replaces		
basic configuration 20A switching power supply. Will power up to 2 channels. Gel cell batteries are available; contact your Kenwood Systems Regional Sales Manager for details. Note : This item cannot be used with the 250W Amplifier upgrade.		

Effective Date: Feb. 1, 2006 Replaces Price List Dated Jan. 1, 2004



TKR-8400 Series High Performance Base Stations and Repeaters 450 - 512 MHz

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EP 4 MOUNTING CONFIGURATION:	
OPTION KSGMRCK3: 17 RU (3') ALUMINUM EQUIPMENT RACK	\$1
Standard 3' aluminum equipment rack providing 17 RU vertical mounting. Pricing includes equipment installation, hardware, cabling and	
wire management materials, and cushioned shipping crate.	
OPTION KSGMRCK7: 45 RU (7') ALUMINUM EQUIPMENT RACK	\$1
Standard 7' aluminum equipment rack providing 45 RU vertical mounting. Pricing includes equipment installation, hardware, cabling and	
wire management materials, and cushioned shipping crate.	
OPTION KSGMCAB2: 20 RU (42") LOCKING CABINET	\$2
Locking cabinet, 42"H x 22"W x 24"D, providing 20 RU vertical mounting, solid front door, louvered rear door, perforated top panel.	
Pricing includes equipment installation, hardware, cabling and wire management materials, and cushioned shipping crate.	
OPTION KSGMCAB4: 40 RU (77") LOCKING CABINET	\$2
Locking cabinet, 77"H x 22"W x 24"D, providing 40 RU vertical mounting, solid front door, louvered rear door, perforated top panel.	
Pricing includes equipment installation, hardware, cabling and wire management materials, and cushioned shipping crate.	
OPTION KSGMCABT: CABINET SOLID TOP UPGRADE	
Cabinet upgrade to solid top panel; replaces standard perforated top panel.	
OPTION KSGMCABF: CABINET FAN TOP UPGRADE	5
Cabinet upgrade to solid top panel with 10" diameter 120VAC fan, replaces standard perforated top panel. Can be mounted above panel or below;	
requires 2 RU clearance inside cabinet if mounted below panel.	
OPTION KSGMCABB: CABINET INTERIOR SOLID BOTTOM UPGRADE	
Cabinet upgrade to add solid interior bottom panel inside cabinet, with 5 cable access openings (includes grommets and plugs).	
FP 5 OPTIONAL EQUIPMENT CONFIGURATIONS:	
IRELINE REMOTE CONTROL OPTIONS:	
OPTION KSGTN01A: 1 CHANNEL TONE TERMINATION PANEL	5
1 channel tone termination panel, 2 or 4 wire, 600 Ohm balanced audio with monitor, occupies 1 RU.	
OPTION KSGTN02A: 2 CHANNEL TONE TERMINATION PANEL	5
2 channel tone termination panel, 2 or 4 wire, 600 Ohm balanced audio with monitor, occupies 1 RU.	
OPTION KSGTN10A: 10 CHANNEL DISCRETE TONE TERMINATION PANEL	\$1
10 channel tone termination panel, 2 or 4 wire, 600 Ohm balanced audio with monitor, occupies 1 RU.	*
ORTION KOOTNACA. ACCULANNEL DOD TONE TERMINATION DANEL	5
OPTION KSGTN16A: 16 CHANNEL BCD TONE TERMINATION PANEL	
16 channel tone termination panel, 2 or 4 wire, 600 Ohm balanced audio with monitor, occupies 1 RU.	
16 channel tone termination panel, 2 or 4 wire, 600 Ohm balanced audio with monitor, occupies 1 RU.	9
16 channel tone termination panel, 2 or 4 wire, 600 Ohm balanced audio with monitor, occupies 1 RU. OPTION KSGTDC1A: 1 CHANNEL DC TERMINATION PANEL	\$
16 channel tone termination panel, 2 or 4 wire, 600 Ohm balanced audio with monitor, occupies 1 RU.	\$
OPTION KSGTDC1A: 1 CHANNEL DC TERMINATION PANEL	9

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TKR-8400 Series High Performance Base Stations and Repeaters 450 - 512 MHz

	LIST
EXTERNAL TRUNKING CONTROLLER OPTIONS:	
OPTION KSGC040L: LTR DISPATCH TRUNKING CONTROLLER	\$1,585
Raider LTR dispatch-only trunking controller. Includes setup, tuning and interface cable.	
OPTION KSGC050L: LTR DISPATCH & INTERCONNECT TRUNKING CONTROLLER	\$2,978
Marauder LTR dispatch and interconnect trunking controller. Includes setup, tuning and interface cable.	
OPTION KSGC452L: LTR DISPATCH TRUNKING CONTROLLER	\$1,856
Model 452 LTR dispatch-only trunking controller. Includes setup, tuning and interface cable.	
OPTION KSGC459L: LTR DISPATCH & INTERCONNECT TRUNKING CONTROLLER	\$3,577
Model 459 LTR dispatch and interconnect trunking controller. Includes setup, tuning and interface cable.	
OPTION KSGC807M: BASIC MPT-1327 TRUNKING CONTROLLER	\$7,385
Model 807 MPT trunking controller. Includes setup, tuning and interface cable.	
OPTION KSGC827M: BASIC MPT-1327 INTERCONNECT CONTROLLER	\$6,422
Model 827 MPT trunking controller. Includes setup, tuning and interface cable.	
OPTION KSGC844M: BASIC MPT-1327 MULTI-SITE CONTROLLER	\$10,012
Model 844 MPT multi-site controller. Includes setup, tuning and interface cable.	
OPTION KSGC427M: BASIC MPT-1327 PERIPHERAL EQUIPMENT INTERFACE	\$10,012
Model 427 MPT peripheral equipment with MAP-27 interface. Includes setup, tuning and interface cable.	
MISC STATION OPTIONS:	
OPTION KSGD3P1B: 6 CAVITY BpBr DUPLEXER, 3MHz MINIMUM SPACING, 125W	\$3,244
6 cavity BpBr duplexer, 125W continuous duty, minimum TX-RX spacing 3MHz. Includes RF cables.	
OPTION KSGOMOD1: BASIC SITE MANAGEMENT MODEM	\$314
Generic site management modem, 2400 bps, for use with LTR controllers, includes interface cable.	
OPTION KSGOMOD2: HIGH PERFORMANCE SITE MANAGEMENT MODEM	\$887
High performance site management modem designed for extra stability in high RF environments, 2400 bps, for use with LTR controllers, includes interface cable.	
OPTION KSGVOT1A: SIGNAL-TO-NOISE VOTER	\$7,487
19" rack mount modular receiver voting comparator. Includes 1 station voter module for primary site; an additional station module is required for each additional voted receiver site.	
OPTION KSGVOT2A: ADDITIONAL STATION MODULE	\$1,263
Additional station voter module for signal-to-noise voting comparator. Occupies one card slot in KSGVOT1A chassis.	
OPTION KSGOPTG1: PILOT TONE GENERATOR AND LINE DRIVER	\$641
Internal pilot tone generator for use with voting systems, supplies 6000hm balanced two wire audio, installs in one station option bay.	

Effective Date: Feb. 1, 2006 Replaces Price List Dated Jan. 1, 2004

Note: Pre-Selectors, Multi-Couplers, and Combiners are available by special order. Please contact your Kenwood Systems Regional Sales Manager for more information.



TKR-8500 Series Base Stations and Repeaters

400 - 430 MHz and 450 - 512 MHz

GENERAL:

TKR-8500 Series UHF Base Stations and Repeaters are integrated systems using TKR-850 or TKR-851 repeaters depending on frequency sub-band. The TKR-850/851 repeater occupies 2 RU and may be used as a continuous-duty 25W standalone low power station or as a driver for an external power amplifier. A conventional controller is built into the TKR-850/851 repeaters.

OPTIONS:

Conventional station options include wire line remote control and external RF amplifiers with built-in T-R antenna switching for simplex operation. Trunking system options include external controllers for LTR and basic MPT-1327 applications; PassPort systems are available by individual quotation. High performance 6 cavity BpBr duplexers are listed as options; multichannel combining systems are quoted on an individual system basis. Power supply options include battery backup with integrated SmartCharger and Low Voltage Disconnect for the 40W and 100W configurations.

Cabinet options are 20 RU (42") and 40 RU (77") locking cabinets; 17 RU (3') or 45 RU (7') open equipment racks are also available. The basic TKR-850/851 repeater includes a 20A 13.8VDC switching power supply (47-63Hz, 115 or 230VAC); 40W and 100W amplifier options include an upgrade to a 40A switching power supply (the 40A power supply occupies 2 RU). Custom configurations are also available; contact your Kenwood Systems Regional Sales Manager for more details.

ORDERING INSTRUCTIONS:

Step 1: Determine the frequency sub-band:

K1 = 450 - 480 MHz Order TKR8510SK1 basic repeater K2 = 480 - 512 MHz Order TKR8500SK2 basic repeater K3 = 400 - 430 MHz Order TKR8500SK3 basic repeater

Step 2: Select an RF amplifier option.

Step 3: Select a Power Supply option.

Step 4: Select the desired mounting configuration.

Step 5: Select optional equipment or configuration changes.

Step 6: Add the basic configuration (Step 1) to the desired RF amplifier, power supply, mounting configuration and optional equipment (Steps 2-5) to determine configuration pricing. Specify frequencies, channel bandwidth and tone assignments with order.



TKR-8500 Series Base Stations and Repeaters

400 - 430 MHz and 450 - 512 MHz

	LI
P 1 TKR-8500 BASIC CONFIGURATION:	
TKR8510SK1 BASIC CONFIGURATION, 450 - 480 MHz	\$1,7
TKR8500SK2 BASIC CONFIGURATION, 480 - 512 MHz	\$2,
TKR8500SK3 BASIC CONFIGURATION, 400 - 430 MHz	\$2,
TKR-8500 series repeater / base station basic configuration includes 25W continuous duty repeater and 20A DC power supply. Includes	~ _,
factory tuning and staging, ships unmounted.	
P 2 RF AMPLIFIER OPTIONS:	
OPTION KSGA304R: 40W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR REPEATER STATION	\$1,6
Repeater station upgrade to include external 40W continuous duty RF amplifier, 400-512MHz. Amplifier occupies 4 RU and includes a 40A	
13.8VDC power supply (upgrade from basic 20A power supply). Includes factory tuning, wiring and RF cables.	
OPTION KSGA304B: 40W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION	\$1, ⁻
Base station upgrade to include external 40W continuous duty RF amplifier, 400-512MHz. Amplifier occupies 4 RU and includes a 40A	
13.8VDC power supply (upgrade from basic 20 A power supply) and a T-R antenna switching relay. Includes factory tuning, wiring and RF cables.	
OPTION KSGA310R: 100W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR REPEATER STATION	\$2,
Repeater station upgrade to include external 100W continuous duty RF amplifier, 400-512MHz. Amplifier occupies 4 RU and includes a 40A	
13.8VDC power supply (upgrade from basic 20A power supply). Includes factory tuning, wiring and RF cables.	
OPTION KSGA310B: 100W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION	\$2,
Base station upgrade to include external 100W continuous duty RF amplifier, 400-512MHz. Amplifier occupies 4 RU and includes a 40A	
13.8VDC power supply (upgrade from basic 20 A power supply) and a T-R antenna switching relay. Includes factory tuning, wiring and RF cables.	
OPTION KSGA325R: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR REPEATER STATION	\$11,4
Repeater station upgrade to include external 250W continuous duty RF amplifier, 400-512MHz. Amplifier occupies 5 RU and is powered by	
120 / 240 VAC power. Includes factory tuning, wiring and RF cables. Note : This configuration cannot be used with the KSGPWR72 or KSGPWRB2 battery backup power supply options.	
OPTION KSGA325B: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION	\$12,
Base station upgrade to include external 250W continuous duty RF amplifier, 400-512MHz. Amplifier occupies 5 RU and is powered by	+ ,
120 / 240VAC power. Includes factory tuning, wiring, RF cables and a T-R antenna switching relay. Note: This configuration cannot be used with	
the KSGPWR72 or KSGPWRB2 battery backup power supply options.	
FP 3 POWER SUPPLY OPTIONS:	
OPTION KSGPWRX2: DELETE POWER SUPPLY	-\$
Delete 20A switching power supply from basic station configuration. Note : Not applicable when upgrading amplifier or power supply.	
OPTION KSGPWR72: 13.8VDC, 70A POWER SUPPLY UPGRADE	\$1,
Power supply upgrade to 13.8VDC at 70A continuous duty switching power supply with front panel metering, requires 2 RU. Replaces basic	
configuration 20A switching power supply. Will power up to 2 channels. Note : This item cannot be used with the 250W Amplifier upgrade.	
OPTION KSGPWRB2: 13.8VDC, 70A POWER SUPPLY WITH SMARTCHARGER UPGRADE	\$1,4
Power supply upgrade to 13.8VDC at 70A continuous duty switching power supply with front panel metering, built-in SmartCharger, low-voltage	
disconnect and solid state no-break transfer diodes, requires 2 RU, includes sealed fuse holder and fuses for battery (battery not included). Replaces	
basic configuration 20A switching power supply. Will power up to 2 channels. Gel cell batteries are available; contact your Kenwood Systems	

Effective Date: Feb. 1, 2006 Replaces Price List Dated Jan. 1, 2004



TKR-8500 Series Base Stations and Repeaters

400 - 430 MHz and 450 - 512 MHz

	l
P 4 MOUNTING CONFIGURATION:	
OPTION KSGMRCK3: 17 RU (3') ALUMINUM EQUIPMENT RACK	\$
Standard 3' aluminum equipment rack providing 17 RU vertical mounting. Pricing includes equipment installation, hardware, cabling and wire management materials, and cushioned shipping crate.	•
OPTION KSGMRCK7: 45 RU (7') ALUMINUM EQUIPMENT RACK	\$
Standard 7' aluminum equipment rack providing 45 RU vertical mounting. Pricing includes equipment installation, hardware, cabling and wire management materials, and cushioned shipping crate.	
OPTION KSGMCAB2: 20 RU (42") LOCKING CABINET	\$2
Locking cabinet, 42"H x 22"W x 24"D, providing 20 RU vertical mounting, solid front door, louvered rear door, perforated top panel. Pricing includes equipment installation, hardware, cabling and wire management materials, and cushioned shipping crate.	
OPTION KSGMCAB4: 40 RU (77") LOCKING CABINET	\$2
Locking cabinet, 77"H x 22"W x 24"D, providing 40 RU vertical mounting, solid front door, louvered rear door, perforated top panel. Pricing includes equipment installation, hardware, cabling and wire management materials, and cushioned shipping crate.	
OPTION KSGMCABT: CABINET SOLID TOP UPGRADE	
Cabinet upgrade to solid top panel; replaces standard perforated top panel.	
OPTION KSGMCABF: CABINET FAN TOP UPGRADE	
Cabinet upgrade to solid top panel with 10" diameter 120VAC fan, replaces standard perforated top panel. Can be mounted above panel or below; requires 2 RU clearance inside cabinet if mounted below panel.	
OPTION KSGMCABB: CABINET INTERIOR SOLID BOTTOM UPGRADE	
Cabinet upgrade to add solid interior bottom panel inside cabinet, with 5 cable access openings (includes grommets and plugs).	
P 5 OPTIONAL EQUIPMENT CONFIGURATIONS:	
IRELINE REMOTE CONTROL OPTIONS:	
OPTION KSGTN01A: 1 CHANNEL TONE TERMINATION PANEL	
1 channel tone termination panel, 2 or 4 wire, 600 Ohm balanced audio with monitor, occupies 1 RU.	
OPTION KSGTN02A: 2 CHANNEL TONE TERMINATION PANEL	
DPTION KSGTN02A: 2 CHANNEL TONE TERMINATION PANEL 2 channel tone termination panel, 2 or 4 wire, 600 Ohm balanced audio with monitor, occupies 1 RU.	
	\$
2 channel tone termination panel, 2 or 4 wire, 600 Ohm balanced audio with monitor, occupies 1 RU.	\$
2 channel tone termination panel, 2 or 4 wire, 600 Ohm balanced audio with monitor, occupies 1 RU. OPTION KSGTN10A: 10 CHANNEL DISCRETE TONE TERMINATION PANEL	
2 channel tone termination panel, 2 or 4 wire, 600 Ohm balanced audio with monitor, occupies 1 RU. DPTION KSGTN10A: 10 CHANNEL DISCRETE TONE TERMINATION PANEL 10 channel tone termination panel, 2 or 4 wire, 600 Ohm balanced audio with monitor, occupies 1 RU.	
2 channel tone termination panel, 2 or 4 wire, 600 Ohm balanced audio with monitor, occupies 1 RU. DPTION KSGTN10A: 10 CHANNEL DISCRETE TONE TERMINATION PANEL 10 channel tone termination panel, 2 or 4 wire, 600 Ohm balanced audio with monitor, occupies 1 RU. DPTION KSGTN16A: 16 CHANNEL BCD TONE TERMINATION PANEL	
2 channel tone termination panel, 2 or 4 wire, 600 Ohm balanced audio with monitor, occupies 1 RU. DPTION KSGTN10A: 10 CHANNEL DISCRETE TONE TERMINATION PANEL 10 channel tone termination panel, 2 or 4 wire, 600 Ohm balanced audio with monitor, occupies 1 RU. DPTION KSGTN16A: 16 CHANNEL BCD TONE TERMINATION PANEL 16 channel tone termination panel, 2 or 4 wire, 600 Ohm balanced audio with monitor, occupies 1 RU.	\$
2 channel tone termination panel, 2 or 4 wire, 600 Ohm balanced audio with monitor, occupies 1 RU. DPTION KSGTN10A: 10 CHANNEL DISCRETE TONE TERMINATION PANEL 10 channel tone termination panel, 2 or 4 wire, 600 Ohm balanced audio with monitor, occupies 1 RU. DPTION KSGTN16A: 16 CHANNEL BCD TONE TERMINATION PANEL 16 channel tone termination panel, 2 or 4 wire, 600 Ohm balanced audio with monitor, occupies 1 RU. DPTION KSGTDC1A: 1 CHANNEL DC TERMINATION PANEL	

Effective Date: Feb. 1, 2006 Replaces Price List Dated Jan. 1, 2004



TKR-8500 Series Base Stations and Repeaters

400 - 430 MHz and 450 - 512 MHz

	LIST
EXTERNAL TRUNKING CONTROLLER OPTIONS:	
OPTION KSGC040L: LTR DISPATCH TRUNKING CONTROLLER	\$1,585
Raider LTR dispatch-only trunking controller. Includes setup, tuning and interface cable.	
OPTION KSGC050L: LTR DISPATCH & INTERCONNECT TRUNKING CONTROLLER	\$2,978
Marauder LTR dispatch and interconnect trunking controller. Includes setup, tuning and interface cable.	
OPTION KSGC452L: LTR DISPATCH TRUNKING CONTROLLER	\$1,856
Model 452 LTR dispatch-only trunking controller. Includes setup, tuning and interface cable.	
OPTION KSGC459L: LTR DISPATCH & INTERCONNECT TRUNKING CONTROLLER	\$3,577
Model 459 LTR dispatch and Interconnect trunking controller. Includes setup, tuning and interface cable.	
OPTION KSGC807M: BASIC MPT-1327 TRUNKING CONTROLLER	\$7,385
Model 807 MPT trunking controller. Includes setup, tuning and interface cable.	
OPTION KSGC827M: BASIC MPT-1327 INTERCONNECT CONTROLLER	\$6,422
Model 827 MPT trunking controller. Includes setup, tuning and interface cable.	
OPTION KSGC844M: BASIC MPT-1327 MULTI-SITE CONTROLLER	\$10,012
Model 844 MPT multi-site controller. Includes setup, tuning and interface cable.	
OPTION KSGC427M: BASIC MPT-1327 PERIPHERAL EQUIPMENT INTERFACE	\$10,012
Model 427 MPT peripheral equipment with MAP-27 interface. Includes setup, tuning and interface cable.	
MISC STATION OPTIONS:	
OPTION KSGD3P1B: 6 CAVITY BpBr DUPLEXER, 3MHz MINIMUM SPACING, 125W	\$3,244
6 cavity BpBr duplexer, 125W continuous duty, minimum TX-RX spacing 3MHz. Includes RF cables.	
OPTION KSGOMOD1: BASIC SITE MANAGEMENT MODEM	\$314
Generic site management modem, 2400 bps, for use with LTR controllers, includes interface cable.	
OPTION KSGOMOD2: HIGH PERFORMANCE SITE MANAGEMENT MODEM	\$887
High performance site management modem designed for extra stability in high RF environments, 2400 bps, for use with LTR controllers, includes interface cable.	
OPTION KSGVOT1A: SIGNAL-TO-NOISE VOTER	\$7,487
19" rack mount modular receiver voting comparator. Includes 1 station voter module for primary site; an additional station module is required for each additional voted receiver site.	
OPTION KSGVOT2A: ADDITIONAL STATION MODULE	\$1,263
Additional station voter module for signal-to-noise voting comparator. Occupies one card slot in KSGVOT1A chassis.	
OPTION KSGOPTG1: PILOT TONE GENERATOR AND LINE DRIVER	\$641
Internal pilot tone generator for use with voting systems, supplies 6000hm balanced two wire audio, installs in one station option bay.	

Effective Date: Feb. 1, 2006 Replaces Price List Dated Jan. 1, 2004

Note: Pre-Selectors, Multi-Couplers, and Combiners are available by special order. Please contact your Kenwood Systems Regional Sales Manager for more information.

Systems Division Product Price Guide



800 - 900 MHz TKR-9300 and TKR-9301 Series Repeaters

GENERAL:

The TKR-9300 800 MHz Repeaters and the TKR-9301 900 MHz Repeaters are integrated systems using TKR-900 and TKR-901 transceivers with external repeater controllers and RF amplifiers. The TKR-900/901 transceiver occupies 2 RU, has an RF output level of 250mW and is intended to be used as a driver for an external power amplifier. An external conventional or trunking controller is required to establish repeater operation. Internal high stability TCXOs and OCXOs eliminate the need for external reference oscillators.

OPTIONS:

Conventional station options include external controllers, wire line remote control and external RF amplifiers. Trunking system options include external LTR controllers; PassPort systems are available by individual quotation. High performance 4-cavity BpBr duplexers are listed as options; multichannel combining systems are quoted on an individual system basis. Power supply options include battery backup with integrated SmartCharger and Low Voltage Disconnect for the 40W and 80W configurations.

Cabinet options are 20 RU (42") and 40 RU (77") locking cabinets; 17 RU (3') or 45 RU (7') open equipment racks are also available. The basic TKR-900/901 transceiver is supplied as a component only (no power supply); 40W and 130W amplifier upgrades include a 20A power supply (the 130W amplifier's power supply is internal); 80W amplifier upgrades include a 40A switching power supply occupying 2 RU. Custom configurations are also available; contact your Kenwood Systems Regional Sales Manager for more details.

ORDERING INSTRUCTIONS:

Step 1: Determine the frequency sub-band:

800 MHz SMR channels = 806-821 / 851-866 MHz Order **TKR9300SK1** basic transceiver 800 MHz NPSPAC channels = 821-824 / 866-869 MHz Order **TKR9300SK2** basic transceiver 900 MHz SMR channels = 896-901 / 935-940 MHz Order **TKR9301SK1** basic transceiver

- Step 2: Select an RF amplifier option.
- Step 3: Select a Power Supply option.
- **Step 4:** Select the desired mounting configuration.
- Step 5: Select optional equipment or configuration changes. (Note: External Controller is required.)
- **Step 6:** Add the basic configuration (Step 1) to the desired RF amplifier, power supply, mounting configuration and optional equipment (Steps 2-5) to determine configuration pricing. Specify frequencies (or FCC channel numbers) and tone assignments with order.



800 - 900 MHz

TKR-9300 and TKR-9301 Series Repeaters

	LIS
EP 1 TKR-9300 BASIC CONFIGURATION:	
TKR9300SK1 800 MHz BASIC TRANSCEIVER 806-821 / 851-866 MHz	\$2,3
TKR9300SK2 800 MHz BASIC TRANSCEIVER 821-824 / 866-869 MHz (NPSPAC)	\$2,9
TKR9301SK1 900 MHz BASIC TRANSCEIVER 896-901 / 935-940 MHz	\$2,8
TKR-9300/9301 basic transceivers do not include power supply or station controller; ships unmounted.	Ψ2,0
EP 2 RF AMPLIFIER OPTIONS:	
OPTION KSGA404A: 40W CONTINUOUS DUTY 800MHz RF AMPLIFIER UPGRADE	\$2,8
Basic TKR900 transceiver upgrade to include external 40W continuous duty 800MHz RF amplifier. Amplifier occupies 4 RU and includes a 20A 13.8VDC power supply. Includes factory tuning, wiring and RF cables.	
OPTION KSGA404B: 40W CONTINUOUS DUTY 900MHz RF AMPLIFIER UPGRADE	\$2,8
Basic TKR901 transceiver upgrade to include external 40W continuous duty 900MHz RF amplifier. Amplifier occupies 4 RU and includes a 20A 13.8VDC power supply. Includes factory tuning, wiring and RF cables.	
OPTION KSGA408A: 80W CONTINUOUS DUTY 800MHz RF AMPLIFIER UPGRADE	\$3,4
Basic TKR900 transceiver upgrade to include external 80W continuous duty 800MHz RF amplifier. Amplifier occupies 4 RU and includes a 40A 13.8VDC power supply. Includes factory tuning, wiring and RF cables.	
OPTION KSGA408B: 80W CONTINUOUS DUTY 900MHz RF AMPLIFIER UPGRADE	\$3,4
Basic TKR901 transceiver upgrade to include external 80W continuous duty 900MHz RF amplifier. Amplifier occupies 4 RU and includes a 40A 13.8VDC power supply. Includes factory tuning, wiring and RF cables.	
OPTION KSGA413A: 130W CONTINUOUS DUTY 800MHz RF AMPLIFIER UPGRADE	\$8,0
Basic TKR900 transceiver upgrade to include external 130W continuous duty 800MHz RF amplifier. Amplifier occupies 5 RU and is powered by 120 / 240 VAC power. Includes 20A power supply for TKR900 and Controller, factory tuning, wiring and RF cables. Note : This configuration cannot be used with the KSGPWR72 or KSGPWRB2 battery backup power supply options.	
OPTION KSGA413B: 130W CONTINUOUS DUTY 900MHz RF AMPLIFIER UPGRADE	\$8,0
Basic TKR901 transceiver upgrade to include external 130W continuous duty 900MHz RF amplifier. Amplifier occupies 5 RU and is powered by 120 / 240 VAC power. Includes 20A power supply for TKR901 and Controller, factory tuning, wiring and RF cables. Note : This configuration cannot be used with the KSGPWR72 or KSGPWRB2 battery backup power supply options.	
EP 3 POWER SUPPLY OPTIONS:	
OPTION KSGPWRX2: DELETE POWER SUPPLY	-\$2
Delete switching power supply from basic station configuration. Note : Not applicable when upgrading amplifier or power supply.	
OPTION KSGPWR72: 13.8VDC, 70A POWER SUPPLY UPGRADE	\$1,1
Power supply upgrade to 13.8VDC at 70A continuous duty switching power supply with front panel metering, requires 2 RU. Replaces	
switching power supply from amplifier configuration. Note : This item cannot be used with the 130W Amplifier upgrade.	
OPTION KSGPWRB2: 13.8VDC, 70A POWER SUPPLY WITH SMARTCHARGER UPGRADE	\$1,4
Power supply upgrade to 13.8VDC at 70A continuous duty switching power supply with front panel metering, built-in SmartCharger, low-voltage disconnect and solid state no-break transfer diodes, requires 2 RU, includes sealed fuse holder and fuses for battery (battery not included). Replaces switching power supply from amplifier configuration. Will power up to 2 channels. Gel cell batteries are available; contact your Kenwood Systems Regional Sales Manager for details. Note : This item cannot be used with the 130W Amplifier upgrade.	

Effective Date: Feb. 1, 2006
Replaces Price List Dated Jan. 1, 2004



800 - 900 MHz

TKR-9300 and TKR-9301 Series Repeaters

	LIS
EP 4 MOUNTING CONFIGURATION:	
OPTION KSGMRCK3: 17 RU (3') ALUMINUM EQUIPMENT RACK	\$1,1
Standard 3' aluminum equipment rack providing 17 RU vertical mounting. Pricing includes equipment installation, hardware, cabling and wire management materials, and cushioned shipping crate.	4.,.
OPTION KSGMRCK7: 45 RU (7') ALUMINUM EQUIPMENT RACK	\$1,2
Standard 7' aluminum equipment rack providing 45 RU vertical mounting. Pricing includes equipment installation, hardware, cabling and wire management materials, and cushioned shipping crate.	
OPTION KSGMCAB2: 20 RU (42") LOCKING CABINET	\$2,0
Locking cabinet, 42"H x 22"W x 24"D, providing 20 RU vertical mounting, solid front door, louvered rear door, perforated top panel. Pricing includes equipment installation, hardware, cabling and wire management materials, and cushioned shipping crate.	
OPTION KSGMCAB4: 40 RU (77") LOCKING CABINET	\$2,7
Locking cabinet, 77"H x 22"W x 24"D, providing 40 RU vertical mounting, solid front door, louvered rear door, perforated top panel. Pricing includes equipment installation, hardware, cabling and wire management materials, and cushioned shipping crate.	
OPTION KSGMCABT: CABINET SOLID TOP UPGRADE	\$
Cabinet upgrade to solid top panel; replaces standard perforated top panel.	
OPTION KSGMCABF: CABINET FAN TOP UPGRADE	\$4
Cabinet upgrade to solid top panel with 10" diameter 120VAC fan, replaces standard perforated top panel. Can be mounted above panel or below; requires 2 RU clearance inside cabinet if mounted below panel.	
OPTION KSGMCABB: CABINET INTERIOR SOLID BOTTOM UPGRADE	\$
Cabinet upgrade to add solid interior bottom panel inside cabinet, with 5 cable access openings (includes grommets and plugs).	
EP 5 OPTIONAL EQUIPMENT CONFIGURATIONS:	
/IRELINE REMOTE CONTROL OPTIONS:	
OPTION KSGTN01A: 1 CHANNEL TONE TERMINATION PANEL	\$6
1 channel tone termination panel, 2 or 4 wire, 600 Ohm balanced audio with monitor, occupies 1 RU.	
OPTION KSGTDC1A: 1 CHANNEL DC TERMINATION PANEL	\$3
1 channel DC termination panel, 2 or 4 wire, 600 Ohm balanced audio with monitor, occupies 1 RU. Specify DC currents and functions at time of order.	
OPTION KSGTALD1: 600 Ohm BALANCED AUDIO LINE DRIVER	\$3
Add 1 channel receive audio line driver panel, 2 wire 600 Ohm balanced output. occupies 1 RU.	
XTERNAL CONTROLLER OPTIONS:	
OPTION KSGC038L: CONVENTIONAL REPEATER CONTROLLER	\$1,2
Model 000 conservational conservations in the lands are true training and interference by	
Model 038 conventional repeater controller. Includes setup, tuning and interface cable.	
OPTION KSGC040L: LTR DISPATCH TRUNKING CONTROLLER Raider LTR dispatch-only trunking controller. Includes setup, tuning and interface cable.	\$1,5
OPTION KSGC040L: LTR DISPATCH TRUNKING CONTROLLER	\$1,5 \$2.9



800 - 900 MHz TKR-9300 and TKR-9301 Series Repeaters

	LIST
OPTION KSGC452L: LTR DISPATCH TRUNKING CONTROLLER	\$1,856
Model 452 LTR dispatch-only trunking controller. Includes setup, tuning and interface cable.	
OPTION KSGC459L: LTR DISPATCH & INTERCONNECT TRUNKING CONTROLLER	\$3,577
Model 459 LTR dispatch and Interconnect trunking controller. Includes setup, tuning and interface cable.	
MISC STATION OPTIONS:	
OPTION KSGD4P1A: 4 CAVITY 800MHz BpBr DUPLEXER, 45MHz SPACING, 150W	\$2,463
4 cavity BpBr duplexer, 150W continuous duty, minimum TX-RX spacing 45MHz. Includes RF cables.	
OPTION KSGD4P1B: 4 CAVITY 900MHz BpBr DUPLEXER, 39MHz SPACING, 150W	\$2,463
4 cavity BpBr duplexer, 150W continuous duty, minimum TX-RX spacing 39MHz. Includes RF cables.	
OPTION KSGOMOD1: BASIC SITE MANAGEMENT MODEM	\$314
Generic site management modem, 2400 bps, for use with LTR controllers, includes interface cable.	
OPTION KSGOMOD2: HIGH PERFORMANCE SITE MANAGEMENT MODEM	\$887
High performance site management modem designed for extra stability in high RF environments, 2400 bps, for use with LTR controllers, includes interface cable.	
OPTION KSGVOT1A: SIGNAL-TO-NOISE VOTER	\$7,487
19" rack mount modular receiver voting comparator. Includes 1 station voter module for primary site; an additional station module is required for each additional voted receiver site.	
** OPTION KSGVOT2A: ADDITIONAL STATION MODULE	\$1,263
Additional station voter module for signal-to-noise voting comparator. Occupies one card slot in KSGVOT1A chassis.	
OPTION KSGOPTG1: PILOT TONE GENERATOR AND LINE DRIVER	\$641

Internal pilot tone generator for use with voting systems, supplies 6000hm balanced two wire audio, installs in one station option bay.

Effective Date: Feb. 1, 2006

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Systems Division Product Price Guide



TKR-751/851 and TKB-751/851 VHF and UHF Low Power Base Stations and Repeaters

GENERAL:

The TKR-751/851 and TKB-751/851 Low Power Base Stations and Repeaters offer the following features.

1-25 Watt UHF and VHF 4 Watt Front Panel Speaker Audio

Continuous Duty

BCD Remote Channel Selection (4 Lines up to 15 channels)

19" Rack Mount

Programmable AUX Input/Output Functions

Wide/Narrow Band Built-In Cooling Fan

Battery Back-Up Macro-Function AUX Inputs

Back-Up Battery Warning/Operating Tone Selectable Toggle or Momentary on AUX Input Ports

Rear Accessory/Logic Controller Connector

DTMF Over-The-Air Remote Function and AUX Output Control

Rear Test Speaker - AUX Connector DSP Processed QT/DQT

High Stability Oscillators (TCXO)

DSP Processed Companded Audio

Windows 98/2000/ME/XP Compatible PC Programming and Tuning

QT/DQT Squelch-Tall Elimination

2 Years Parts and Labor Warranty Flash Memory

OPTIONS:

When used as a Base Station, the TKB-751/851 also offers the following features.

16 Channel 6 Lighted PF Keys

Simplex or Full Duplex Operation

Local Takeover/Remote PF Key

Built-In Antenna Switch for Simplex/Single Antenna Operation

Channel Up/Down PF Keys

Priority Scan Volume Control Knob

Remote Control Inputs Front Microphone Jack
7-Segment, 2-Character Channel and Scan LED Indicator Front Panel Speaker

2 Character Alphanumeric Channel Designator Voice Encryption Option Port

Power/Transmit/Busy LED Indicators

When used as a Repeater, the TKR-751/851 also offers the following features.

Full Duplex Operation Courtesy Tone

Built-In 16 QT/DQT Tone/Code Pair Community

Repeat Enable/Disable

CW Transmitter ID

External Controller Interface Repeat Hold Timer (hang timer)

Conventional or Trunking Controller Compatible Time Out Timer



TKR-751/851 and TKB-751/851 VHF and UHF Low Power Base Stations and Repeaters

	LI
SE STATIONS	
TKB8510PS BASIC CONFIGURATION, 450 - 480 MHz	\$1,
TKB8510PS base station basic configuration includes 1-25W, 100% Duty repeater, internally mounted power supply, programming and tuning. Ships unmounted.	,
TKBR7510PS BASIC CONFIGURATION, 146 - 174 MHz	\$1,
TKB7510PS base station basic configuration includes 1-25W, 100% Duty repeater, internally mounted power supply, programming and tuning. Ships unmounted.	
PEATERS	
TKR8510PS BASIC CONFIGURATION, 450 - 480 MHz	\$1,
TKR8510PS repeater basic configuration includes 1-25W, 100% Duty repeater, internally mounted power supply, programming and tuning. Ships unmounted.	
TKR8510PSD BASIC CONFIGURATION, 450 - 480 MHz WITH INTERNAL DUPLEXER	\$2,
TKR8510PSD repeater basic configuration includes 1-25W, 100% Duty repeater, internally mounted power supply, internal duplexer, programming and tuning. Ships unmounted.	
TKR7510PS BASIC CONFIGURATION, 146 - 174 MHz	\$1,
TKR7510PS repeater basic configuration includes 1-25W, 100% Duty repeater, internally mounted power supply, programming and tuning. Ships unmounted.	
SE STATION AND REPEATER OPTIONS	
OPTION KSGPWRX1: DELETE POWER SUPPLY	
Delete internally mounted power supply from basic station configuration.	
OPTION KSGMT30001: DESKTOP ENCLOSURE	\$
The desktop enclosure is 16" deep by 20.50" wide by 5" high. It has a high-quality black laminate finish and is easily assembled with included hardware and tools.	
OPTION KSGMS9009C: DESKTOP MICROPHONE	
OPTION KSGMS98556: SERVICE MANUAL	
OPTION KSGMS90066: PROGRAMMING SOFTWARE	
OPTION KSGCB90046: PROGRAMMING CABLE	

Note: For complete cabinet and rack enclosure options, see full Systems Division Price Pages



Communications Sector

Systems Division Product Price Guide

					LIST
ase Station Ampli	fiers (simplex.	includes T-R	switching relay	·)	
Low Band	(ep.e.e.,			4	
Part Number	Output Power	Freq. Range	Compatibility		
KSGPA11100	100	29.7-50.0	TKB-6900	(specify frequency)	\$1,99
KSGPA11300	300	29.7-50.0	TKB-6900	(specify frequency)	\$10,49
VHF High Band					
Part Number	Output Power	Freq. Range	Compatibility		
KSGPA12400	40	136-174	TKR740/751	(specify frequency)	\$1,70
KSGPA12500	40	136-174	TKR750	(specify frequency)	\$1,70
KSGPA12410	110	136-174	TKR740/751	(specify frequency)	\$2,03
KSGPA12510	110	136-174	TKR750	(specify frequency)	\$2,03
KSGPA12420	250	136-174	TKR740/751	(specify frequency)	\$8,43
KSGPA12520	250	136-174	TKR750	(specify frequency)	\$8,43
UHF					
Part Number	Output Power	Freq. Range	Compatibility		
KSGPA13400	40	406-512	TKR840/851	(specify frequency)	\$1,42
KSGPA13500	40	406-512	TKR850	(specify frequency)	\$1,42
KSGPA13410	100	406-512	TKR840/851	(specify frequency)	\$2,26
KSGPA13510	100	406-512	TKR850	(specify frequency)	\$2,26
KSGPA13420	250	406-512	TKR840/851	(specify frequency)	\$12,05
KSGPA13520	250	406-512	TKR850	(specify frequency)	\$12,05
epeater Station Ar	mplifiers			_	
VHF High Band				_	
Part Number	Output Power	Freq. Range	Compatibility		
KSGPA22401	50	136-144	TKR740/751	(specify frequency)	\$1,44
KSGPA22402	50	144-152	TKR740/751	(specify frequency)	\$1,44
KSGPA22403	50	152-162	TKR740/751	(specify frequency)	\$1,44
KSGPA22404	50	162-174	TKR740/751	(specify frequency)	\$1,44
KSGPA22501	50	136-144	TKR750	(specify frequency)	\$1,44
KSGPA22502	50	144-152	TKR750	(specify frequency)	\$1,44
KSGPA22503	50	152-162	TKR750	(specify frequency)	\$1,44
KSGPA22504	50	162-174	TKR750	(specify frequency)	\$1,44
KSGPA22411	110	136-144	TKR740/751	(specify frequency)	\$1,999



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					LIS
Part Number	Output Power	Freq. Range	Compatibility		
KSGPA22412	110	144-152	TKR740/751	(specify frequency)	\$1,99
KSGPA22413	110	152-162	TKR740/751	(specify frequency)	\$1,9
KSGPA22414	110	162-174	TKR740/751	(specify frequency)	\$1,9
KSGPA22511	110	136-144	TKR750	(specify frequency)	\$1,9
KSGPA22512	110	144-152	TKR750	(specify frequency)	\$1,9
KSGPA22513	110	152-162	TKR750	(specify frequency)	\$1,9
KSGPA22514	110	162-174	TKR750	(specify frequency)	\$1,9
KSGPA12420	250	136-174	TKR740/751	(specify frequency)	\$7,7
KSGPA12520	250	136-174	TKR750	(specify frequency)	\$7,7
IF					
Part Number	Output Power	Freq. Range	Compatibility		
KSGPA23401	50	406-426	TKR851	(specify frequency)	\$1,3
KSGPA23402	50	426-450	TKR851	(specify frequency)	\$1,3
KSGPA23403	50	450-470	TKR840/851	(specify frequency)	\$1,3
KSGPA23404	50	470-490	TKR840/851	(specify frequency)	\$1,3
KSGPA23405	50	490-512	TKR840/851	(specify frequency)	\$1,3
KSGPA23501	50	406-426	TKR850	(specify frequency)	\$1,3
KSGPA23502	50	426-450	TKR850	(specify frequency)	\$1,3
KSGPA23503	50	450-470	TKR850	(specify frequency)	\$1,3
KSGPA23504	50	470-490	TKR850	(specify frequency)	\$1,3
KSGPA23505	50	490-512	TKR850	(specify frequency)	\$1,3
KSGPA23411	100	406-426	TKR851	(specify frequency)	\$1,9
KSGPA23412	100	426-450	TKR851	(specify frequency)	\$1,9
KSGPA23413	100	450-470	TKR840/851	(specify frequency)	\$1,9
KSGPA23414	100	470-490	TKR840/851	(specify frequency)	\$1,9
KSGPA23415	100	490-512	TKR840/851	(specify frequency)	\$1,9
KSGPA23511	100	406-426	TKR850	(specify frequency)	\$1,9
KSGPA23512	100	426-450	TKR850	(specify frequency)	\$1,9
KSGPA23513	100	450-470	TKR850	(specify frequency)	\$1,9
KSGPA23514	100	470-490	TKR850	(specify frequency)	\$1,9
KSGPA23515	100	490-512	TKR850	(specify frequency)	\$1,9
KSGPA13420	250	406-512	TKR840/851	(specify frequency)	\$11,4
KSGPA13520	250	406-512	TKR850	(specify frequency)	\$11,4



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Systems Division Product Price Guide

				LIST
800 MHz				
Part Number	Output Power	Freq. Range	Compatibility	
KSGPA14041	40	851-869	TKR900	\$2,465
KSGPA14081	80	851-869	TKR900	\$2,901
KSGPA14131	130	851-869	TKR900	\$7,639
900 MHz				
Part Number	Output Power	Freq. Range	Compatibility	
KSGPA14042	40	935-940	TKR901	\$2,465
KSGPA14082	80	935-940	TKR901	\$2,901
KSGPA14132	130	935-940	TKR901	\$7,639
Ounting Equipme Part Number	Description			
KSGMT13000	3' High, 19" Wide E	Equipment Rack (l	Jnassembled)	\$712
KSGMT17000	7' High, 19" Wide E	\$495		
KSGMT90001	Rack Standoffs (Kit of 20)			\$76
KSGMT22000	42" (20 U) Locking Cabinet - Standard Perforated Top Lid			\$1,636
KSGMT24000	77" (40 U) Locking Cabinet - Standard Perforated Top Lid			\$2,164
KSGMT20001	Cabinet Solid Top			\$59
KSGMT20002	Cabinet Fan Top			\$433
KSGMT20003	Cabinet Solid Botto	om		\$89
ower Supplies				
Part Number	Description			
KSGMT20200	20A, 13.8VDC Inte	rnally mounted po	ower supply for 750/751/850/851	\$247
KSGMT20201	20A, 13.8VDC 19"	wide rack mounte	ed power supply for all other models	\$375
KSGPS20400	40A, 13.8VDC 19"	wide rack mounte	ed power supply	\$473
KSGPS20402	40A, 13.8VDC 19"	wide rack mounte	ed power supply with Smartcharger	\$1,355
KSGPS20701	70A, 13.8VDC 19"	wide rack mounte	ed power supply	\$1,355
KSGPS20702	70A, 13.8VDC 19"	wide rack mounte	ed power supply with Smartcharger	\$1,736



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Systems Division Product Price Guide

		LI
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ote Controls		
Part Number	Description	
KSGTN01C	1 Channel Tone Termination Panel with Case	\$
KSGTN02C	2 Channel Tone Termination Panel with Case	9
KSGTN10C	10 Channel Discrete Tone Termination Panel with Case	\$1
KSGTN16C	16 Channel BCD Tone Termination Panel with Case	\$
KSGTDC2C	2 Channel DC Termination Panel with Case	\$
KSGTALDC	1 Channel 600 Ohm Balanced Audio Line Driver	\$
KSGMTTR001	19" Rack Mounted 1RU Termination Panel Mounting Tray	
nal Controller	s	
Part Number	Description	
KSGCT11040	Raider LTR Dispatch Trunking Controller	\$1
KSGCT11050	Marauder LTR Dispatch and Interconnect Trunking Controller	\$2
KSGCT20038	Model 038 LTR Repeater Conventional Controller	\$1
KSGCT20452	Model 452 LTR Dispatch Trunking Controller	\$1
KSGCT20459	Model 459 LTR Dispatch and Interconnect Trunking Controller	\$3
KSGCT20827	Model 827 basic MPT-1327 Trunking Controller	\$6
KSGCT20844	Model 844 basic MPT-1327 Multi-Site Controller	\$9
KSGCT20427	Model 427 basic MPT-1327 Peripheral Equipment Interface	\$9
exers		
Part Number	Description	
KSGDX21556	VHF High Band 6-Cavity BpBr Duplexer, 400KHz Minimum Spacing, 150W	\$3
KSGDX34546	UHF 6-Cavity BpBr Duplexer, 3MHz Minimum Spacing, 150W	\$3
KSGDX48644	800MHz 4-Cavity BpBr Duplexer, 45MHz Spacing, 150W	\$2
KSGDX49644	900MHz 4-Cavity BpBr Duplexer, 39MHz Spacing, 150W	\$2

Systems Division Product Price Guide



Kenwood USA Corporation

Communications Sector

Systems Division Product Price Guide

Individual Component Items

		LIST
Modems		
Part Number	Description	
KSGMD10001	Basic Site Management Modem	\$250
KSGMD10002	High Performance Site Management Modem	\$823
Repeaters		
Part Number	Description	
TKR751	VHF Repeater (includes factory tuning)	\$1,500
TKR851	UHF Repeater (includes factory tuning)	\$1,600
Other		
Part Number	Description	
KSGVOT1A	Voting Pilot Tone Generator and Line Driver	\$7,487
KSGVOT2A	Voting Pilot Tone Generator and Line Driver	\$1,263
KSGOPTG1	Voting Pilot Tone Generator and Line Driver	\$641
KSGMS10040	External Antenna Relay for 740/840 repeater	\$383
KSGMS10050	External Antenna Relay for 750/751/850/851 repeater (Formerly KSG9010050)	\$340
KSGMS100R1	19" 1RU Blank Face Panel	\$15
KSGMS100R2	19" 2RU Blank Face Panel	\$26
KSGMS100R3	19" 3RU Blank Face Panel	\$38
KSGMS100P1	19" 1RU 6-Outlet Power Strip	\$91
KPG-43	Programming Interface Cable (TK-690)	\$0
KPG-46	Programming Interface Cable for 750/751/850/851 repeater	\$0

Note: Pre-Selectors, Multi-Couplers, and Combiners are available by special order. Please contact your Kenwood Systems Regional Sales Manager for more information.

Effective Date: Feb. 1, 2006



TKB-6900 Series Conventional Simplex Base Stations 29.7 - 50.0 MHz

BASIC CONFIGURATION	Quantity	Unit Cost	Extended
TKB6900SK1: BASIC CONFIGURATION, 29.7 - 37.0 MHz			
TKB6900SK2: BASIC CONFIGURATION, 35.0 - 43.0 MHz			
TKB6900SK3: BASIC CONFIGURATION, 40.0 - 50.0 MHz			
AMPLIFIER OPTIONS	Quantity	Unit Cost	Extended
KSGA110B: 100W CONTINUOUS DUTY RF AMPLIFIER UPGRADE			
KSGA130B: 300W CONTINUOUS DUTY RF AMPLIFIER UPGRADE			
POWER SUPPLY OPTIONS	Quantity	Unit Cost	Extended
KSGPWRX4: DELETE POWER SUPPLY			
KSGPWR74: 13.8 VDC, 70 A POWER SUPPLY, UPGRADE			
KSGPWRB4: 13.8 VDC, 70 A POWER SUPPLY WITH SMARTCHARGER UPGRADE			
MOUNTING CONFIGURATIONS	Quantity	Unit Cost	Extended
KSGMRCK3: 17 RU (3') ALUMINUM EQUIPMENT RACK			
KSGMRCK7: 45 RU (7') ALUMINUM EQUIPMENT RACK			
KSGMCAB2: 20 RU (42") LOCKING CABINET			
KSGMCAB4: 40 RU (77") LOCKING CABINET			
KSGMCABT: CABINET SOLID TOP UPGRADE			
KSGMCABF: CABINET FAN TOP UPGRADE			
KSGMCABB: CABINET INTERIOR SOLID BOTTOM UPGRADE			
REMOTE CONTROLS	Quantity	Unit Cost	Extended
KSGTN02B: 2 CHANNEL TONE TERMINATION PANEL UPGRADE			
KSGTN10B: 10 CHANNEL TONE DISCRETE TERMINATION PANEL UPGRADE			
KSGTN16B: 16 CHANNEL TONE BCD TERMINATION PANEL UPGRADE			
KSGTDC1B: 1 CHANNEL DC TERMINATION PANEL OPTION			
KSGTALD2: 600 Ohm BALANCED AUDIO LINE DRIVER			
MISC STATION OPTIONS	Quantity	Unit Cost	Extended
KSGVOT1A: SIGNAL-TO-NOISE VOTER			
KSGVOT2A: ADDITIONAL STATION MODULE			
KSGOPTG1: PILOT TONE GENERATOR AND LINE DRIVER			_
KSGOCWID: MORSE CODE IDENTIFIER			

Extended	Total	



TKR-7400 Series High Performance Base Stations and Repeaters 136 - 174 MHz

BASIC CONFIGURATION	Quantity	Unit Cost	Extended
TKR7400SK1: BASIC CONFIGURATION, 146 - 162 MHz			
TKR7400SK2: BASIC CONFIGURATION, 158 - 174 MHz			
TKR7400SK3: BASIC CONFIGURATION, 136 - 150 MHz			
AMPLIFIER OPTIONS	Quantity	Unit Cost	Extended
KSGA204S: 40W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR REPEATER STATION			
KSGA204C: 40W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION			
KSGA211S: 110W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR REPEATER STATION			
KSGA211C: 110W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION			
KSGA225R: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR REPEATER STATION			
KSGA225B: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION			
POWER SUPPLY OPTIONS	Quantity	Unit Cost	Extended
KSGPWRX2: DELETE POWER SUPPLY			
KSGPWR72: 13.8 VDC, 70 A POWER SUPPLY, UPGRADE			
KSGPWRB2: 13.8 VDC, 70 A POWER SUPPLY WITH SMARTCHARGER UPGRADE			
MOUNTING CONFIGURATIONS	Quantity	Unit Cost	Extended
KSGMRCK3: 17 RU (3') ALUMINUM EQUIPMENT RACK			
KSGMRCK7: 45 RU (7') ALUMINUM EQUIPMENT RACK			
KSGMCAB2: 20 RU (42") LOCKING CABINET			
KSGMCAB4: 40 RU (77") LOCKING CABINET			
KSGMCABT: CABINET SOLID TOP UPGRADE			
KSGMCABF: CABINET FAN TOP UPGRADE			
KSGMCABB: CABINET INTERIOR SOLID BOTTOM UPGRADE			
REMOTE CONTROLS	Quantity	Unit Cost	Extended
KSGTN01A: 1 CHANNEL TONE TERMINATION PANEL			
KSGTN02A: 2 CHANNEL TONE TERMINATION PANEL			
KSGTN10A: 10 CHANNEL DISCRETE TONE TERMINATION PANEL			
KSGTN16A: 16 CHANNEL BCD TONE TERMINATION PANEL			
KSGTDC2A: 2 CHANNEL DC TERMINATION PANEL			
KSGTALD1: 600 Ohm BALANCED AUDIO LINE DRIVER			
TRUNKING CONTROLLER OPTIONS	Quantity	Unit Cost	Extended
KSGC040L: LTR DISPATCH TRUNKING CONTROLLER			
KSGC050L: LTR DISPATCH & INTERCONNECT TRUNKING CONTROLLER			
KSGC452L: LTR DISPATCH TRUNKING CONTROLLER			
KSGC459L: LTR DISPATCH & INTERCONNECT TRUNKING CONTROLLER			
KSGC807M: BASIC MPT-1327 TRUNKING CONTROLLER			
KSGC827M: BASIC MPT-1327 TRUNKING CONTROLLER			
KSGC844M: BASIC MPT-1327 MULTI-SITE CONTROLLER			
KSGC427M: BASIC MPT-1327 PERIPHERAL EQUIPMENT INTERFACE			
MISC STATION OPTIONS	Quantity	Unit Cost	Extended
KSGD2P1B: 6 CAVITY BpBr DUPLEXER, 400KHz MINIMUM SPACING, 150W			
KSGOMOD1: BASIC SITE MANAGEMENT MODEM			
KSGOMOD2: HIGH PERFORMANCE SITE MANAGEMENT MODEM			
KSGVOT1A: SIGNAL-TO-NOISE VOTER			
	I		
KSGVOT2A: ADDITIONAL STATION MODULE			

Extended Total	



TKR-7500 Series Base Stations and Repeaters 136 - 174 MHz

IKK75005K2: BASIC CONFIGURATION, 136 - 146 MHz MMPLIFIER OPTIONS (SGA20AR: 40W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR REPEATER STATION (SGA20AR: 40W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR REPEATER STATION (SGA20AR: 40W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR REPEATER STATION (SGA21R: 110W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION (SGA21R: 110W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION (SGA22BR: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION (SGA22BR: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION (SGA22BR: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION (SGA22BR: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION (SGA22BR: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION (SGA22BR: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION (SGA22BR: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION (SGA22BR: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION (SGA22BR: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION (SGA22BR: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION (SGA22BR: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION (SGA22BR: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION (SGA22BR: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE (SGMCABR: 210W CONTINUOUS DUTY RF AMPLIF	BASIC CONFIGURATION	Quantity	Unit Cost	Extended
Extended SCGA20R: 40W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR REPEATER STATION SCGA20R: 40W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR REPEATER STATION SCGA21R: 110W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR REPEATER STATION SCGA21R: 110W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR REPEATER STATION SCGA21R: 110W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR REPEATER STATION SCGA22SR: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION SCGA22SR: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR REPEATER STATION SCGA22SR: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR REPEATER STATION SCGA22SR: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR REPEATER STATION SCGA22SR: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR REPEATER STATION SCGA22SR: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR REPEATER STATION SCGA22SR: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR REPEATER STATION SCGA22SR: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR REPEATER STATION SCGA22SR: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE SCGOPWREX 138 VDC, 70 A POWER SUPPLY. UPGRADE SCGOPWREX 138 VDC, 70 A POWER SUPPLY. UPGRADE SCGOPWREX 138 VDC, 70 A POWER SUPPLY. UPGRADE SCGMORABE, 30 VDC, 70 A POWER SUPPLY WITH SMARTCHARGER UPGRADE SCGMORABE, 31 VDC, 70 A POWER SUPPLY. UPGRADE SCGMORABE, 45 VDC, 70 A POWER SUPPLY WITH SMARTCHARGER UPGRADE SCGMORABE, 45 VDC, 70 A POWER SUPPLY. UPGRADE SCGOTANA, 10 CANNEL TONE TERMINATION PANEL SCGTANO, 10 CANNEL TONE TERMINATION PANEL SCGTANO, 10 CANNEL TONE TERMINATION PANEL SCGTANO, 10 CANNEL TON	TKR7510SK1: BASIC CONFIGURATION, 146 - 174 MHz	•		
SGA204R: 40W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR REPEATER STATION SGA204B: 40W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR REPEATER STATION SGA21B: 110W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR REPEATER STATION SGA21B: 110W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR REPEATER STATION SGA21B: 110W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR REPEATER STATION SGA22SB: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR REPEATER STATION SGA22SB: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR REPEATER STATION SGA22SB: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR REPEATER STATION SGA22SB: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION OWNERS SUPPLY OPTIONS Quantity Unit Cost SGSPWRX2: DELETE POWER SUPPLY SGGPWRY2: 13.8 VDC, 70 A POWER SUPPLY, UPGRADE SGSPWRX2: 13.8 VDC, 70 A POWER SUPPLY WITH SMARTCHARGER UPGRADE SGSPWRX2: 13.8 VDC, 70 A POWER SUPPLY WITH SMARTCHARGER UPGRADE SGSPWRX2: 13.8 VDC, 70 A POWER SUPPLY WITH SMARTCHARGER UPGRADE SGGMCABC: CABINGT INTO SUPPLIES SUPPLY SGGMCABC STATIONS Quantity Unit Cost SGMCABC STATION SGGMCABC STATION STATION SOLID BOTTOM UPGRADE SGGMCABC STATION STATION SOLID BOTTOM UPGRADE SGGMCABC STATION STATION PANEL SGGTMOTA: 1 CHANNEL TONE TERMINATION PANEL SGGTMOTA: 1 CHANNEL TONE TERMINATION PANEL SGGTMOTA: 1 CHANNEL BOT TONE TERMINATION PANEL SGGTMOTA: 1 SIGNAL TONE STATION SOURCES TRUNKING CONTROLLER SGGCATAM: BASIC MPT-1327 TRUNKING CONTROLLER SGGCGATM: BASIC MPT-1327 TRUNKING CONTROLLER SGGC	TKR7500SK2: BASIC CONFIGURATION, 136 - 146 MHz			
SIGA204B: 40W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION SIGA21TR: 110W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR REPEATER STATION SIGA21TB: 110W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR REPEATER STATION SIGA22TS: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR REPEATER STATION SIGA22SR: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR REPEATER STATION SIGA22SR: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR REPEATER STATION COMER SUPPLY OPTIONS COUNTY OF THE STATION SIGA22SR: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION COUNTY OF THE STATION SIGA22SR: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION COUNTY OF THE STATION SIGA22SR: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION COUNTY OF THE STATION SIGA22SR: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION COUNTY OF THE STATION SIGA22SR: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION COUNTY OF THE STATION SIGA22SR: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION COUNTY OF THE STATION SIGA22SR: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION COUNTY OF THE STATION PANEL COUNTY OF THE STATION O	AMPLIFIER OPTIONS	Quantity	Unit Cost	Extended
ASSA211R: 110W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR REPEATER STATION SIGA211B: 110W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION SIGA221B: 110W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION SIGA225B: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION OWER SUPPLY OPTIONS SIGA25B: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION OWER SUPPLY OPTIONS OWER SUPPLY UPGRADE SIGGPWAY2: 13.8 VDC, 70 A POWER SUPPLY, UPGRADE SIGGPWAY2: 13.8 VDC, 70 A POWER SUPPLY, UPGRADE SIGGPWAY2: 13.8 VDC, 70 A POWER SUPPLY WITH SMARTCHARGER UPGRADE MOUNTING CONFIGURATIONS OWER SUPPLY WITH SMARTCHARGER UPGRADE MOUNTING CONFIGURATIONS OWER SUPPLY WITH SMARTCHARGER UPGRADE SIGGMCAB2: 13 RU (7) ALUMINUM EQUIPMENT RACK SIGGMCAB3: 13 RU (7) ALUMINUM EQUIPMENT RACK SIGGMCAB4: 40 RU (77) LOCKING CABINET SIGGMCAB5: CABINET SOLID TOP UPGRADE SIGGMCAB6: CABINET SOLID TOP UPGRADE SIGGMCAB6: CABINET FAN TOP UPGRADE SIGGMCAB7: CABINET SOLID TOP UPGRADE SIGGMCAB7: CABINET INTERIOR SOLID BOTTOM UPGRADE SIGGMCAB8: CABINET INTERIOR SOLID BOTTOM UPGRADE SIGGMCAB7: CHANNEL TONE TERMINATION PANEL SIGGTIOA2: 2 CHANNEL TONE TERMINATION PANEL SIGGTIOA2: 1 CHANNEL TONE TERMINATION PANEL SIGGTIOA3: 1 CHANNEL DOERTET TONE TERMINATION PANEL SIGGTIOA3: 1 CHANNEL DOERTET TONE TERMINATION PANEL SIGGTIOA5: 1 CHANNEL DOERTET TONE TERMINATION PANEL SIGGTIOA5	KSGA204R: 40W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR REPEATER STATION			
ASSA211B: 110W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION KSGA225R: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR REPEATER STATION KSGA225B: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR REPEATER STATION CSGA225B: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR RESEATATION CSGA225B: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION CSGA225B: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION CSGA25B: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION CSGA25B: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION CSGA25B: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION CSGAPWR2: 13.8 VDC, 70 A POWER SUPPLY UPGRADE CSGPWR2: 13.8 VDC, 70 A POWER SUPPLY UPGRADE CSGMCABI: 70 (3) ALUMINUM EQUIPMENT RACK CSGMCABI: 71 (2) ALUMINUM EQUIPMENT BACK CSGMCABI: 71 (2) ALUMINUM EQUIPMENT EACH CSGMCABI: 71 (2) ALUMINUM EQUIPMENT EACH CSGMCABI: 71 (2) ALUMINUM EQUIPMENT EACH CSGCA901: 11 (2) CAURINUM EQUIPMENT EACH CSGCA901: 11 (2) CHANNEL ED TONE TERMINATION PANEL CSGCA901: 11 (2) CHANNEL ED TONE TERMINATION EACH CSGCA901: 11 (2) CHANNEL ED TONE TERMINATION EACH CSGCA901: 11 (2) CHANNEL ED TONE CSGCA90	KSGA204B: 40W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION			
SGA225R: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR REPEATER STATION SGA225B: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION WOMER SUPPLY OPTIONS Quantity Unit Cost Extended GGPWRX2: DELETE POWER SUPPLY SGGPWRX2: DELETE POWER SUPPLY SGGPWRX2: 13.8 VDC, 70 A POWER SUPPLY, UPGRADE SGGPWRX2: 13.8 VDC, 70 A POWER SUPPLY WITH SMARTCHARGER UPGRADE WOUNTING CONFIGURATIONS Quantity Unit Cost Extended GUANTING CONFIGURATIONS Quantity Unit Cost Extended GGMCAG1: 7 RU (3') ALUMINUM EQUIPMENT RACK SGGMCAG2: 20 RU (42') LOCKING CABINET SGGMCAB2: 20 RU (42') LOCKING CABINET SGGMCAB1: (AS BINET SILD TOP UPGRADE SGGMCAB1: CABINET FAN TOP UPGRADE SGGMCAB2: CABINET FAN TOP UPGRADE SGGMCAB2: CABINET FAN TOP UPGRADE SGGMCAB1: CHANNEL TONE TERMINATION PANEL SGGTN10A: 1 CHANNEL TONE TERMINATION PANEL SGGTN10A: 1 CHANNEL TONE TERMINATION PANEL SGGTN10A: 10 CHANNEL TONE TERMINATION PANEL SGGTN10A: 10 CHANNEL BOT TORE TERMINATION PANEL SGGTN10A: 10 CHANNEL DISCRETE TONE TERMINATION PANEL SGGTALD1: 600 Ohm BALANCED AUDIO LINE DRIVER RUMKING CONTROLLER OPTIONS Quantity Unit Cost Extended SGGC450: LTR DISPATCH TRUNKING CONTROLLER SGGC451: LTR DISPATCH RUNKING CONTROLLER SGGC452: LTR DISPATCH A INTERCONNECT TRUNKING CONTROLLER SGGC451: LTR DISPATCH A INTERCONNECT TRUNKING CONTROLLER SGGC452: LTR DISPATCH A INTERCONNECT TRUNKING CONTROLLER SGGC451: MASIC MPT-1327 TRUNKING CONTROLLER SGGC451: MASIC	KSGA211R: 110W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR REPEATER STATION			
SGA225B: 250W CONTINUOUS DUTY REAMPLIFIER UPGRADE FOR BASE STATION POWER SUPPLY OPTIONS SCOPWRS2 DELETE POWER SUPPLY SCOPWRS2: 13.8 VDC, 70 A POWER SUPPLY UPGRADE SCOPWRS2: 13.8 VDC, 70 A POWER SUPPLY WITH SMARTCHARGER UPGRADE WOUNTING CONFIGURATIONS CAUSINITY OF A STATIONS SCOPWRS2: 13.8 VDC, 70 A POWER SUPPLY WITH SMARTCHARGER UPGRADE WOUNTING CONFIGURATIONS CAUSINITY OF A STATIONS CAUSINITY OF A STATION OF A	KSGA211B: 110W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION			
COMER SUPPLY OPTIONS CSGPWRR2: DELETE POWER SUPPLY CSGPWRR2: 13.8 VDC, 70 A POWER SUPPLY, UPGRADE CSGPWRS2: 13.8 VDC, 70 A POWER SUPPLY WITH SMARTCHARGER UPGRADE CSGPWRS2: 13.8 VDC, 70 A POWER SUPPLY WITH SMARTCHARGER UPGRADE CSGPWRS2: 13.8 VDC, 70 A POWER SUPPLY WITH SMARTCHARGER UPGRADE CSGMCAS2: 17 RU (3') ALUMINUM EQUIPMENT RACK CSGMRCK7: 45 RU (7') ALUMINUM EQUIPMENT RACK CSGMRCK7: 45 RU (7') LOCKING CABINET CSGMCAB2: 20 RU (42') LOCKING CABINET CSGMCAB2: 20 RU (42') LOCKING CABINET CSGMCAB4: 40 RU (7') LOCKING CABINET CSGMCAB4: 40 RU (7') LOCKING CABINET CSGMCAB5: CABINET FAN TOP UPGRADE CSGMCAB6: CABINET FAN TOP UPGRADE CSGMCAB6: CABINET FAN TOP UPGRADE CSGMCAB6: CABINET FAN TOP UPGRADE CSGMCAB7: CABINET FAN TOP UPGRADE CSGMCAB8: CABINET INTERIOR SOLID BOTTOM UPGRADE CSGMCAB8: CABINET INTERIOR SOLID BOTTOM UPGRADE CSGMOAB8: CABINET FAN TOP UPGRADE CSGMOAB8: CABINET SOLID CONTROLLER CSGMOAD8: CABINET SOLID CONTROLLER CSGCA52L: LTR DISPATCH SINTERCONNECT TRUNKING CONTROLLER CSGCA52N: BASIC MPT-1327 TRUNKING CONTROLLER CSGCA52L: LTR DISPATCH SINTERCONNECT TRUNKING CONTROLLER CSGCA52L: LTR DISPATCH SINTERCONNECT TRUNKING CONTROLLER CSGCA52L: LTR DISPATCH SINTERCONNECT TRUNKING CONTROLLER CSGCA52L: LTR DI	KSGA225R: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR REPEATER STATION			
SGPWRX2: DELETE POWER SUPPLY SGPWRR2: 13.8 VDC, 70 A POWER SUPPLY UPGRADE SGPWRR2: 13.8 VDC, 70 A POWER SUPPLY WITH SMARTCHARGER UPGRADE MOUNTING CONFIGURATIONS Quantity Unit Cost SGMRCK3: 17 RU (3) ALUMINUM EQUIPMENT RACK SGMRCK3: 17 RU (3) ALUMINUM EQUIPMENT RACK SGMRCK3: 17 RU (3) ALUMINUM EQUIPMENT RACK SGMRCABC: 20 RU (42°) LOCKING CABINET SGMCABE: 20 RU (42°) LOCKING CABINET SGMCABE: 40 RU (77°) LOCKING CABINET SGMCABE: AND RUTTO PUPGRADE SGMCABE: CABINET SOLID TOP UPGRADE SGMCABE: CABINET SOLID TOP UPGRADE SGMCABE: CABINET INTERIOR SOLID BOTTOM UPGRADE SGMCABE: CABINET INTERIOR SOLID BOTTOM UPGRADE SGMCABE: CABINET INTERIOR SOLID BOTTOM UPGRADE SGROTOLA: 1 CHANNEL TONE TERMINATION PANEL SGSTOMA: 1 CHANNEL TONE TERMINATION PANEL SGSTOMA: 1 CHANNEL DISCRETE TONE TERMINATION PANEL SGSTOMA: 1 CHANNEL DISCRETE TONE TERMINATION PANEL SGSTOMA: 1 CHANNEL DOTORE TERMINATION PANEL SGSTOMA: 2 CHANNEL DOT ONE TERMINATION PANEL SGSTOMA: 2 CHANNEL DOT ONE TERMINATION PANEL SGSTOMA: 3 CHANNEL DOTORE TERMINATION PANEL SGSTOMA: 3 CHANNEL DOTORE TERMINATION PANEL SGSTOMA: 4 CHANNEL DOTORE TERMINATION PANEL SGSTOMA: 5 CHANNEL DOTORE TORORE TORORE SGGCA9CH: 1TR DISPATCH TRUNKING CONTROLLER SGCGCA9CH: 1TR DISPATCH & INTERCONNECT TRUNKING CONTROLLER SGCGCA9CH:	KSGA225B: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION			
KSGPWR72: 13.8 VDC, 70 A POWER SUPPLY, UPGRADE KSGPWR82: 13.8 VDC, 70 A POWER SUPPLY WITH SMARTCHARGER UPGRADE MOUNTING CONFIGURATIONS KSGMRCK3: 17 RU (3) ALUMINUM EQUIPMENT RACK KSGMRCK7: 45 RU (7) ALUMINUM EQUIPMENT RACK KSGMRCK8: 45 RU (7) ALUMINUM EQUIPMENT RACK KSGMRCAB2: 20 RU (42°) LOCKING CABINET KSGMCAB2: 20 RU (42°) LOCKING CABINET KSGMCAB2: 40 RU (77°) LOCKING CABINET KSGMCAB5: CABINET SOLID TOP UPGRADE KSGMCAB6: CABINET FAN TOP UPGRADE KSGMCAB6: CABINET INTERIOR SOLID BOTTOM UPGRADE **EMOTE CONTROLS** **CAGINET INTERIOR SOLID BOTTOM UPGRADE** **CAGINACA 2 CHANNEL TONE TERMINATION PANEL KSGTN10A: 1 CHANNEL TONE TERMINATION PANEL KSGTN10A: 10 CHANNEL DISCRETE TONE TERMINATION PANEL KSGTN10A: 10 CHANNEL DISCRETE TONE TERMINATION PANEL KSGTN10A: 16 CHANNEL DISCRETE TONE TERMINATION PANEL KSGTN10A: 10 CHANNEL DISCRETE TERMINATION PANEL KSGTN10A: 10 CHANNEL DISCRETE TERMINATION PANEL KSGTN10A: 10 CHANNEL DISCRETE TERMINATION PANEL KSGCTN10A: 10 CHANNEL KSGCTN10A: 10 CHANNEL KS	POWER SUPPLY OPTIONS	Quantity	Unit Cost	Extended
SGPWRB2: 13.8 VDC, 70 A POWER SUPPLY WITH SMARTCHARGER UPGRADE MOUNTING CONFIGURATIONS GSGMRCK3: 17 RU (3') ALUMINUM EQUIPMENT RACK SGGMRCK3: 17 RU (3') ALUMINUM EQUIPMENT RACK SGGMRCAB2: 20 RU (42") LOCKING CABINET SGGMCAB2: 20 RU (42") LOCKING CABINET SGGMCAB3: 40 RU (77") LOCKING CABINET SGGMCAB5: CABINET SOLID TOP UPGRADE SGGMCAB6: CABINET FAN TOP UPGRADE SGGMCAB6: CABINET INTERIOR SOLID BOTTOM UPGRADE SGGMCAB7: CABINET INTERIOR SOLID BOTTOM UPGRADE SGGMCAB8: CABINET INTERIOR SOLID BOTTOM UPGRADE SGGTM01A1: 1 CHANNEL TONE TERMINATION PANEL SGGTN02A: 2 CHANNEL TONE TERMINATION PANEL SGGTN02A: 2 CHANNEL DOE TERMINATION PANEL SGGTN10A: 10 CHANNEL DISCRETE TONE TERMINATION PANEL SGGTM16A: 16 CHANNEL BCD TONE TERMINATION PANEL SGGTB02A: 2 CHANNEL DC TERMINATION PANEL SGGTB02A: 2 CHANNEL DC TERMINATION PANEL SGGTB02A: 2 CHANNEL BC TONE TERMINATION PANEL SGGTB02A: 2 CHANNEL BC TONE TERMINATION PANEL SGGTCAC2: 2 CHANNEL BC TONE TERMINATION PANEL SGGTCAC2: 2 CHANNEL BC TONE TERMINATION PANEL SGGTCAC2: 2 CHANNEL BC TONE TERMINATION PANEL SGGCTALD1: 600 Ohm BALANCED AUDIO LINE DRIVER FRUNKING CONTROLLER OPTIONS GSGCACACL: LTR DISPATCH & INTERCONNECT TRUNKING CONTROLLER SGGC452L: LTR DISPATCH & INTERCONNECT TRUNKING CONTROLLER SGGC452L: LTR DISPATCH & INTERCONNECT TRUNKING CONTROLLER SGGC452L: LTR DISPATCH & INTERCONNECT TRUNKING CONTROLLER SGGC680TM: BASIC MPT-1327 TRUNKING CONTROLLER SGGC452L: BCGCACACH & INTERCONNECT TRUNKING CONTROLLER SGGC452L: BCGCACACH & INTERCONNECT TRUNKING CONTROLLER SGGC680TM: BASIC MPT-1327 TRUNKING CONTROLLER SGGC452L: BCGCACACH & INTERCONNECT TRUNKING CONTROLLER SGCGC457M: BASIC MPT-1327 TRUNKING CONTROLLER SGGC452L: BCGCACACH & INTERCONNECT TRUNKING	KSGPWRX2: DELETE POWER SUPPLY			
MOUNTING CONFIGURATIONS GEMRCK3: 17 RU (3') ALUMINUM EQUIPMENT RACK (SGMRCK7: 45 RU (7') ALUMINUM EQUIPMENT RACK (SGMRCK7: 45 RU (7') ALUMINUM EQUIPMENT RACK (SGMRCAB2: 20 RU (42') LOCKING CABINET (SGMCAB4: 40 RU (77") LOCKING CABINET (SGMCAB4: 40 RU (77") LOCKING CABINET (SGMCAB5: CABINET SOLID TOP UPGRADE (SGMCAB6: CABINET FAN TOP UPGRADE (SGMCAB6: CABINET INTERIOR SOLID BOTTOM UPGRADE (SGMCAB6: CABINET INTERIOR SOLID BOTTOM UPGRADE (SGMCAB6: CABINET INTERIOR SOLID BOTTOM UPGRADE (SGTN02A: 2 CHANNEL TONE TERMINATION PANEL (SGTN10A: 10 CHANNEL DISCRETE TONE TERMINATION PANEL (SGTN10A: 10 CHANNEL BCD TONE TERMINATION PANEL (SGTN10A: 16 CHANNEL BCD TONE TERMINATION PANEL (SGTALD1: 600 Ohm BALANCED AUDIO LINE DRIVER (SGCO452: 2 CHANNEL DC TERMINATION PANEL (SGCO450L: LTR DISPATCH & INTERCONNECT TRUNKING CONTROLLER (SGCO450L: LTR DISPATCH & INTERCONNECT TRUNKING CONTROLLER (SGC0452: LTR DISPATCH & INTERCONNECT TRUNKING CONTROLLER (SGC6459L: LTR DISPATCH & INTERCONNECT TRUNKING CONTROLLER (SGC687M: BASIC MPT-1327 TRUNKING CONTROLLER (SGC692PIE: BASIC MPT-13	KSGPWR72: 13.8 VDC, 70 A POWER SUPPLY, UPGRADE			
ASSMRCK3: 17 RU (3') ALUMINUM EQUIPMENT RACK ASSMRCK7: 45 RU (7') ALUMINUM EQUIPMENT RACK ASSMCAB2: 20 RU (42") LOCKING CABINET ASSMCAB2: 40 RU (77") LOCKING CABINET ASSMCAB1: 40 RU (77") LOCKING CABINET ASSMCAB1: CABINET SOLID TOP UPGRADE ASSMCAB5: CABINET FAN TOP UPGRADE ASSMCAB6: CABINET FAN TOP UPGRADE ASSMCAB8: CABINET INTERIOR SOLID BOTTOM UPGRADE ASSMCAB6: CONTROLS AGAINTY ASSMCAB7: CHANNEL TONE TERMINATION PANEL ASSGTN16A: 10 CHANNEL TONE TERMINATION PANEL ASSGTN16A: 16 CHANNEL BOD TONE TERMINATION PANEL ASSMCAB6: 16 CHANNEL BOD TONE TERMINATION PANEL ASSMCAB6: 16 CHANNEL DC TERMINATION PANEL ASSMCAB6: 16 CHANNEL DC TERMINATION PANEL ASSMCAB6: 17 RUNKING CONTROLLER ASSMCAB6: 18 RUNKING CONTROLLER ASSMCAB6: 18 RUNKING CONTROLLER ASSMCAB6: 18 RUNKING CONTROLLER ASSMCAB6: 18 RUNKING CONTROLLER ASSMCAB7: BASIC MPT-1327 TRUNKING CONT	KSGPWRB2: 13.8 VDC, 70 A POWER SUPPLY WITH SMARTCHARGER UPGRADE			
ASSIMRCK7: 45 RU (7") ALUMINUM EQUIPMENT RACK ASSIMCAB2: 20 RU (42") LOCKING CABINET ASSIMCAB3: 40 RU (7") LOCKING CABINET ASSIMCAB4: 40 RU (7") LOCKING CABINET ASSIMCAB5: CABINET SOLID TOP UPGRADE ASSIMCAB5: CABINET FAN TOP UPGRADE ASSIMCAB6: CABINET INTERIOR SOLID BOTTOM UPGRADE ASSIMCAB8: CABINET INTERIOR SOLID BOTTOM UPGRADE ASSIMCAB6: CABINET INTERIOR SOLID BOTTOM UPGRADE ASSIMCAB7: CABINET INTERIOR SOLID BOTTOM UPGRADE ASSIMCAB8: CABINET INTERIOR SOLID BOTTOM UPGRADE ASSIMCAB8: CABINET INTERIOR SOLID BOTTOM UPGRADE ASSIMCAB8: CABINET INTERIOR SOLID BOTTOM UPGRADE ASSIMCAB6: CABINET INTERIOR SOLIT BOTTOM UPGRADE ASSIMCAB6: CABINET BOTTOM UPG	MOUNTING CONFIGURATIONS	Quantity	Unit Cost	Extended
ASSEMCAB2: 20 RU (42") LOCKING CABINET ASSEMCAB4: 40 RU (77") LOCKING CABINET ASSEMCAB5: CABINET SOLID TOP UPGRADE ASSEMCAB6: CABINET FAN TOP UPGRADE ASSEMCAB6: CABINET INTERIOR SOLID BOTTOM UPGRADE ASSEMCAB6: CACHANNEL TONE TERMINATION PANEL ASSEMCAB6: 16 CHANNEL DISCRETE TONE TERMINATION PANEL ASSEMCAB6: 16 CHANNEL BCD TONE TERMINATION PANEL ASSEMCAB6: 17 CHANNEL BCD TONE TERMINATION PANEL ASSEMCAB6: 18 CHANNEL BCD TONE TERMINATION PANEL ASSEMCAB7: 18 CANTON PATER ASSEMCAB7:	KSGMRCK3: 17 RU (3') ALUMINUM EQUIPMENT RACK			
ASSECTION OF TRUNKING CONTROLLER	KSGMRCK7: 45 RU (7') ALUMINUM EQUIPMENT RACK			
ASSEMCABT: CABINET SOLID TOP UPGRADE KSGMCABF: CABINET FAN TOP UPGRADE KSGMCABB: CABINET FAN TOP UPGRADE KSGMCABB: CABINET INTERIOR SOLID BOTTOM UPGRADE KSGMCABB: CABINET INTERIOR SOLID BOTTOM UPGRADE KSGTNO1A: 1 CHANNEL TONE TERMINATION PANEL KSGTNO1A: 1 CHANNEL TONE TERMINATION PANEL KSGTN10A: 10 CHANNEL DISCRETE TONE TERMINATION PANEL KSGTN10A: 10 CHANNEL DISCRETE TONE TERMINATION PANEL KSGTN16A: 16 CHANNEL DO TONE TERMINATION PANEL KSGTO1CA: 2 CHANNEL DC TERMINATION PANEL KSGTO1CA: 2 CHANNEL DC TERMINATION PANEL KSGTO2CA: 2 CHANNEL DC TERMINATION PANEL KSGTALDI: 600 Ohm BALANCED AUDIO LINE DRIVER TRUNKING CONTROLLER OPTIONS Quantity Unit Cost Extended KSGC0401: LTR DISPATCH TRUNKING CONTROLLER KSGC0501: LTR DISPATCH TRUNKING CONTROLLER KSGC452: LTR DISPATCH RUNKING CONTROLLER KSGC452: LTR DISPATCH & INTERCONNECT TRUNKING CONTROLLER KSGC452: LTR DISPATCH & INTERCONNECT TRUNKING CONTROLLER KSGC452: LTR DISPATCH & INTERCONNECT TRUNKING CONTROLLER KSGC827M: BASIC MPT-1327 TRUNKING CONTROLLER KSGC827M: BASIC MPT-1327 TRUNKING CONTROLLER KSGC642TM: BASIC MPT-1327 TRUNKING CONTROLLER KSGC642TM: BASIC MPT-1327 TRUNKING CONTROLLER KSGC642TM: BASIC MPT-1327 PERIPHERAL EQUIPMENT INTERFACE MISC STATION OPTIONS Quantity Unit Cost Extended KSGC9071B: 6 CAVITY BJB PDUPLEXER, 400KHz MINIMUM SPACING, 150W KSGOMOD1: BASIC SITE MANAGEMENT MODEM KSGOMOD1: BASIC SITE MANAGEMENT MODEM KSGOMOD1: BASIC SITE MANAGEMENT MODEM KSGOMOD2: HIGH PERFORMANCE SITE MANAGEMENT MODEM KSGOMOD1: SIGNAL-TO-NOISE VOTER KSGVOT1A: SIGNAL-TO-NOISE VOTER	KSGMCAB2: 20 RU (42") LOCKING CABINET			
ASSIGNCABF: CABINET FAN TOP UPGRADE (SGMCABB: CABINET INTERIOR SOLID BOTTOM UPGRADE REMOTE CONTROLS (SGTN01A: 1 CHANNEL TONE TERMINATION PANEL (SGTN01A: 10 CHANNEL TONE TERMINATION PANEL (SGTN10A: 10 CHANNEL DISCRETE TONE TERMINATION PANEL (SGTN10A: 10 CHANNEL DISCRETE TONE TERMINATION PANEL (SGTN16A: 16 CHANNEL BCD TONE TERMINATION PANEL (SGTN16A: 16 CHANNEL BCD TONE TERMINATION PANEL (SGTALDI: 600 Ohm BALANCED AUDIO LINE DRIVER (SGTALDI: 600 Ohm BALANCED AUDIO LINE DRIVER (SGC040L: LTR DISPATCH TRUNKING CONTROLLER (SGC040L: LTR DISPATCH & INTERCONNECT TRUNKING CONTROLLER (SGC452L: LTR DISPATCH & INTERCONNECT TRUNKING CONTROLLER (SGC459L: LTR DISPATCH & INTERCONNECT TRUNKING CONTROLLER (SGC630M: BASIC MPT-1327 TRUNKING CONTROLLER (SGC630M: BASIC MPT-1327 TRUNKING CONTROLLER (SGC624M: BASIC MPT-1327 TRUNKING CONTROLLER (SGC6247M: BASIC MPT-1327 TRUNKING CONTROLLER (SGC427M: BASIC MPT-1327 PERIPHERAL EQUIPMENT INTERFACE (MISC STATION OPTIONS (SGCMOD1: BASIC SITE MANAGEMENT MODEM (SGOMOD1: BASIC SITE MANAGEMENT MODEM (SGOMOD1: BASIC SITE MANAGEMENT MODEM (SGOMOD1: SIGNAL-TO-NOISE VOTER (SGOWOT2A: ADDITIONAL STATION MODULE	KSGMCAB4: 40 RU (77") LOCKING CABINET			
REMOTE CONTROLS REMOTE	KSGMCABT: CABINET SOLID TOP UPGRADE			
REMOTE CONTROLS (SGTN01A: 1 CHANNEL TONE TERMINATION PANEL (SGTN02A: 2 CHANNEL TONE TERMINATION PANEL (SGTN10A: 10 CHANNEL DISCRETE TONE TERMINATION PANEL (SGTN16A: 16 CHANNEL BCD TONE TERMINATION PANEL (SGTN16A: 16 CHANNEL BCD TONE TERMINATION PANEL (SGTN2A: 2 CHANNEL DC TERMINATION PANEL (SGTD1CA: 2 CHANNEL BCD TONE TERMINATION PANEL (SGTD1CA: 2 CHANNEL DC TERMINATION PANEL (SGTD1CA: 2 CHANNEL DC TERMINATION PANEL (SGTALDI: 600 Ohm BALANCED AUDIO LINE DRIVER (SGTALDI: 600 Ohm BALANCED AUDIO LINE DRIVER (SGC040L: LTR DISPATCH TRUNKING CONTROLLER (SGC0501: LTR DISPATCH & INTERCONNECT TRUNKING CONTROLLER (SGC452L: LTR DISPATCH & INTERCONNECT TRUNKING CONTROLLER (SGC459L: LTR DISPATCH & INTERCONNECT TRUNKING CONTROLLER (SGC459L: LTR DISPATCH & INTERCONNECT TRUNKING CONTROLLER (SGC459L: LTR DISPATCH & INTERCONNECT TRUNKING CONTROLLER (SGC450M: BASIC MPT-1327 TRUNKING CONTROLLER (SGC627M: BASIC MPT-1327 TRUNKING CONTROLLER (SGC627M: BASIC MPT-1327 TRUNKING CONTROLLER (SGC427M: BASIC MPT-1327 TRUNKING CONTROLLER (SGC427M: BASIC MPT-1327 PERIPHERAL EQUIPMENT INTERFACE (MISC STATION OPTIONS (SGC427M: BASIC SITE MANAGEMENT MODEM (SGCM0D1: BASIC SITE MANAGEMENT MODEM (SGCM0D1: BASIC SITE MANAGEMENT MODEM (SGCM0D2: HIGH PERFORMANCE SITE MANAGEMENT MODEM (SGCW0T1A: SIGNAL-TO-NOISE VOTER	KSGMCABF: CABINET FAN TOP UPGRADE			
ASGTNO1A: 1 CHANNEL TONE TERMINATION PANEL (ASGTNO2A: 2 CHANNEL TONE TERMINATION PANEL (ASGTN10A: 10 CHANNEL DISCRETE TONE TERMINATION PANEL (ASGTN16A: 16 CHANNEL BCD TONE TERMINATION PANEL (ASGTN16A: 16 CHANNEL BCD TONE TERMINATION PANEL (ASGTALD1: 600 Ohm BALANCED AUDIO LINE DRIVER (ASGTALD1: 600 Ohm BALANCED AUDIO LINE DRIVER (ASGCO40L: LTR DISPATCH TRUNKING CONTROLLER (ASGC040L: LTR DISPATCH RUNKING CONTROLLER (ASGC452L: LTR DISPATCH RUNKING CONTROLLER (ASGC459L: LTR DISPATCH & INTERCONNECT TRUNKING CONTROLLER (ASGC459L: LTR DISPATCH & INTERCONNECT TRUNKING CONTROLLER (ASGC827M: BASIC MPT-1327 TRUNKING CONTROLLER (ASGC827M: BASIC MPT-1327 TRUNKING CONTROLLER (ASGC827M: BASIC MPT-1327 TRUNKING CONTROLLER (ASGC427M: BASIC MPT-1327 PERIPHERAL EQUIPMENT INTERFACE (ASGC427M: BASIC MPT-1327 PERIPHERAL EQUIPMENT INTERFACE (ASGC827M: BASIC MPT-1327 PERIPHERAL E	KSGMCABB: CABINET INTERIOR SOLID BOTTOM UPGRADE			
ASGTN02A: 2 CHANNEL TONE TERMINATION PANEL (SGTN10A: 10 CHANNEL DISCRETE TONE TERMINATION PANEL (SGTN16A: 16 CHANNEL BCD TONE TERMINATION PANEL (SGTN16A: 16 CHANNEL BCD TONE TERMINATION PANEL (SGTALD1: 600 Ohm BALANCED AUDIO LINE DRIVER FRUNKING CONTROLLER OPTIONS (SGC040L: LTR DISPATCH TRUNKING CONTROLLER (SGC040L: LTR DISPATCH TRUNKING CONTROLLER (SGC452L: LTR DISPATCH TRUNKING CONTROLLER (SGC459L: LTR DISPATCH & INTERCONNECT TRUNKING CONTROLLER (SGC459L: LTR DISPATCH & INTERCONNECT TRUNKING CONTROLLER (SGC459L: LTR DISPATCH & INTERCONNECT TRUNKING CONTROLLER (SGC827M: BASIC MPT-1327 TRUNKING CONTROLLER (SGC827M: BASIC MPT-1327 TRUNKING CONTROLLER (SGC844M: BASIC MPT-1327 MULTI-SITE CONTROLLER (SGC427M: BASIC MPT-1327 PERIPHERAL EQUIPMENT INTERFACE (MISC STATION OPTIONS (SGC9D2P1B: 6 CAVITY BPBF DUPLEXER, 400KHz MINIMUM SPACING, 150W (SGCMOD1: BASIC SITE MANAGEMENT MODEM (SGCMOD2: HIGH PERFORMANCE SITE MANAGEMENT MODEM (SGC9VOT2A: ADDITIONAL STATION MODULE	REMOTE CONTROLS	Quantity	Unit Cost	Extended
ASGTN10A: 10 CHANNEL DISCRETE TONE TERMINATION PANEL ASGTN16A: 16 CHANNEL BCD TONE TERMINATION PANEL ASGTDC2A: 2 CHANNEL DC TERMINATION PANEL ASGTALD1: 600 Ohm BALANCED AUDIO LINE DRIVER FRUNKING CONTROLLER OPTIONS ASGC040L: LTR DISPATCH TRUNKING CONTROLLER ASGC050L: LTR DISPATCH & INTERCONNECT TRUNKING CONTROLLER ASGC050L: LT	KSGTN01A: 1 CHANNEL TONE TERMINATION PANEL			
ASGTN16A: 16 CHANNEL BCD TONE TERMINATION PANEL ASGTDC2A: 2 CHANNEL DC TERMINATION PANEL ASGTALD1: 600 Ohm BALANCED AUDIO LINE DRIVER ARRUNKING CONTROLLER OPTIONS ASGC040L: LTR DISPATCH TRUNKING CONTROLLER ASGC050L: LTR DISPATCH & INTERCONNECT TRUNKING CONTROLLER ASGC05	KSGTN02A: 2 CHANNEL TONE TERMINATION PANEL			
RSGTDC2A: 2 CHANNEL DC TERMINATION PANEL RSGTALD1: 600 Ohm BALANCED AUDIO LINE DRIVER RRUNKING CONTROLLER OPTIONS RSGC040L: LTR DISPATCH TRUNKING CONTROLLER RSGC050L: LTR DISPATCH & INTERCONNECT TRUNKING CONTROLLER RSGC452L: LTR DISPATCH & INTERCONNECT TRUNKING CONTROLLER RSGC459L: LTR DISPATCH & INTERCONNECT TRUNKING CONTROLLER RSGC459L: LTR DISPATCH & INTERCONNECT TRUNKING CONTROLLER RSGC807M: BASIC MPT-1327 TRUNKING CONTROLLER RSGC827M: BASIC MPT-1327 TRUNKING CONTROLLER RSGC827M: BASIC MPT-1327 TRUNKING CONTROLLER RSGC427M: BASIC MPT-1327 MULTI-SITE CONTROLLER RSGC427M: BASIC MPT-1327 PERIPHERAL EQUIPMENT INTERFACE RSGC427M: BASIC MPT-1327 PERIPHERAL EQUIPMENT INTERFACE RSGC527M: BASIC MPT	KSGTN10A: 10 CHANNEL DISCRETE TONE TERMINATION PANEL			
RSGTALD1: 600 Ohm BALANCED AUDIO LINE DRIVER RRUNKING CONTROLLER OPTIONS RSGC040L: LTR DISPATCH TRUNKING CONTROLLER RSGC050L: LTR DISPATCH & INTERCONNECT TRUNKING CONTROLLER RSGC452L: LTR DISPATCH & INTERCONNECT TRUNKING CONTROLLER RSGC459L: LTR DISPATCH & INTERCONNECT TRUNKING CONTROLLER RSGC459L: LTR DISPATCH & INTERCONNECT TRUNKING CONTROLLER RSGC807M: BASIC MPT-1327 TRUNKING CONTROLLER RSGC827M: BASIC MPT-1327 TRUNKING CONTROLLER RSGC827M: BASIC MPT-1327 TRUNKING CONTROLLER RSGC444M: BASIC MPT-1327 MULTI-SITE CONTROLLER RSGC427M: BASIC MPT-1327 PERIPHERAL EQUIPMENT INTERFACE RISC STATION OPTIONS RSGD2P1B: 6 CAVITY BpBr DUPLEXER, 400KHz MINIMUM SPACING, 150W RSGOMOD1: BASIC SITE MANAGEMENT MODEM RSGOMOD2: HIGH PERFORMANCE SITE MANAGEMENT MODEM RSGVOT1A: SIGNAL-TO-NOISE VOTER RSGVOT2A: ADDITIONAL STATION MODULE	KSGTN16A: 16 CHANNEL BCD TONE TERMINATION PANEL			
RRUNKING CONTROLLER OPTIONS (SGC040L: LTR DISPATCH TRUNKING CONTROLLER (SGC050L: LTR DISPATCH & INTERCONNECT TRUNKING CONTROLLER (SGC452L: LTR DISPATCH TRUNKING CONTROLLER (SGC459L: LTR DISPATCH & INTERCONNECT TRUNKING CONTROLLER (SGC459L: LTR DISPATCH & INTERCONNECT TRUNKING CONTROLLER (SGC807M: BASIC MPT-1327 TRUNKING CONTROLLER (SGC827M: BASIC MPT-1327 TRUNKING CONTROLLER (SGC827M: BASIC MPT-1327 MULTI-SITE CONTROLLER (SGC427M: BASIC MPT-1327 PERIPHERAL EQUIPMENT INTERFACE (MISC STATION OPTIONS (SGD2P1B: 6 CAVITY BPBI DUPLEXER, 400KHz MINIMUM SPACING, 150W (SGOMOD1: BASIC SITE MANAGEMENT MODEM (SGOMOD2: HIGH PERFORMANCE SITE MANAGEMENT MODEM (SGVOT1A: SIGNAL-TO-NOISE VOTER (SGVOT2A: ADDITIONAL STATION MODULE	KSGTDC2A: 2 CHANNEL DC TERMINATION PANEL			
RSGC040L: LTR DISPATCH TRUNKING CONTROLLER RSGC050L: LTR DISPATCH & INTERCONNECT TRUNKING CONTROLLER RSGC452L: LTR DISPATCH & INTERCONNECT TRUNKING CONTROLLER RSGC459L: LTR DISPATCH & INTERCONNECT TRUNKING CONTROLLER RSGC459L: LTR DISPATCH & INTERCONNECT TRUNKING CONTROLLER RSGC807M: BASIC MPT-1327 TRUNKING CONTROLLER RSGC807M: BASIC MPT-1327 TRUNKING CONTROLLER RSGC824M: BASIC MPT-1327 MULTI-SITE CONTROLLER RSGC427M: BASIC MPT-1327 PERIPHERAL EQUIPMENT INTERFACE RSGC427M: BASIC MPT-1327 PERIPHERAL EQUIPMENT INTERFACE RSGC427M: BASIC MPT-1327 PERIPHERAL EQUIPMENT INTERFACE RSGC427M: BASIC STATION OPTIONS RSGC427M: BASIC SITE MANAGEMENT MODEM RSGC40001: BASIC SITE MANAGEMENT MODEM RSGC40001: BASIC SITE MANAGEMENT MODEM RSGC40012: ADDITIONAL STATION MODULE	KSGTALD1: 600 Ohm BALANCED AUDIO LINE DRIVER			
KSGC050L: LTR DISPATCH & INTERCONNECT TRUNKING CONTROLLER KSGC452L: LTR DISPATCH TRUNKING CONTROLLER KSGC459L: LTR DISPATCH & INTERCONNECT TRUNKING CONTROLLER KSGC807M: BASIC MPT-1327 TRUNKING CONTROLLER KSGC827M: BASIC MPT-1327 TRUNKING CONTROLLER KSGC844M: BASIC MPT-1327 MULTI-SITE CONTROLLER KSGC427M: BASIC MPT-1327 PERIPHERAL EQUIPMENT INTERFACE MISC STATION OPTIONS KSGD2P1B: 6 CAVITY BpBr DUPLEXER, 400KHz MINIMUM SPACING, 150W KSGOMOD1: BASIC SITE MANAGEMENT MODEM KSGOMOD2: HIGH PERFORMANCE SITE MANAGEMENT MODEM KSGVOT1A: SIGNAL-TO-NOISE VOTER KSGVOT2A: ADDITIONAL STATION MODULE	TRUNKING CONTROLLER OPTIONS	Quantity	Unit Cost	Extended
KSGC452L: LTR DISPATCH TRUNKING CONTROLLER KSGC459L: LTR DISPATCH & INTERCONNECT TRUNKING CONTROLLER KSGC807M: BASIC MPT-1327 TRUNKING CONTROLLER KSGC827M: BASIC MPT-1327 TRUNKING CONTROLLER KSGC844M: BASIC MPT-1327 MULTI-SITE CONTROLLER KSGC427M: BASIC MPT-1327 PERIPHERAL EQUIPMENT INTERFACE MISC STATION OPTIONS KSGD2P1B: 6 CAVITY BpBr DUPLEXER, 400KHz MINIMUM SPACING, 150W KSGOMOD1: BASIC SITE MANAGEMENT MODEM KSGOMOD2: HIGH PERFORMANCE SITE MANAGEMENT MODEM KSGVOT1A: SIGNAL-TO-NOISE VOTER KSGVOT2A: ADDITIONAL STATION MODULE	KSGC040L: LTR DISPATCH TRUNKING CONTROLLER			
KSGC459L: LTR DISPATCH & INTERCONNECT TRUNKING CONTROLLER KSGC807M: BASIC MPT-1327 TRUNKING CONTROLLER KSGC827M: BASIC MPT-1327 TRUNKING CONTROLLER KSGC844M: BASIC MPT-1327 MULTI-SITE CONTROLLER KSGC427M: BASIC MPT-1327 PERIPHERAL EQUIPMENT INTERFACE MISC STATION OPTIONS Quantity Unit Cost Extended KSGD2P1B: 6 CAVITY BpBr DUPLEXER, 400KHz MINIMUM SPACING, 150W KSGOMOD1: BASIC SITE MANAGEMENT MODEM KSGOMOD2: HIGH PERFORMANCE SITE MANAGEMENT MODEM KSGVOT1A: SIGNAL-TO-NOISE VOTER KSGVOT2A: ADDITIONAL STATION MODULE	KSGC050L: LTR DISPATCH & INTERCONNECT TRUNKING CONTROLLER			
KSGC807M: BASIC MPT-1327 TRUNKING CONTROLLER KSGC827M: BASIC MPT-1327 TRUNKING CONTROLLER KSGC844M: BASIC MPT-1327 MULTI-SITE CONTROLLER KSGC427M: BASIC MPT-1327 PERIPHERAL EQUIPMENT INTERFACE MISC STATION OPTIONS KSGD2P1B: 6 CAVITY BpBr DUPLEXER, 400KHz MINIMUM SPACING, 150W KSGOMOD1: BASIC SITE MANAGEMENT MODEM KSGOMOD2: HIGH PERFORMANCE SITE MANAGEMENT MODEM KSGVOT1A: SIGNAL-TO-NOISE VOTER KSGVOT2A: ADDITIONAL STATION MODULE	KSGC452L: LTR DISPATCH TRUNKING CONTROLLER			
KSGC827M: BASIC MPT-1327 TRUNKING CONTROLLER KSGC844M: BASIC MPT-1327 MULTI-SITE CONTROLLER KSGC427M: BASIC MPT-1327 PERIPHERAL EQUIPMENT INTERFACE MISC STATION OPTIONS KSGD2P1B: 6 CAVITY BpBr DUPLEXER, 400KHz MINIMUM SPACING, 150W KSGOMOD1: BASIC SITE MANAGEMENT MODEM KSGOMOD2: HIGH PERFORMANCE SITE MANAGEMENT MODEM KSGVOT1A: SIGNAL-TO-NOISE VOTER KSGVOT2A: ADDITIONAL STATION MODULE	KSGC459L: LTR DISPATCH & INTERCONNECT TRUNKING CONTROLLER			
KSGC844M: BASIC MPT-1327 MULTI-SITE CONTROLLER KSGC427M: BASIC MPT-1327 PERIPHERAL EQUIPMENT INTERFACE MISC STATION OPTIONS KSGD2P1B: 6 CAVITY BpBr DUPLEXER, 400KHz MINIMUM SPACING, 150W KSGOMOD1: BASIC SITE MANAGEMENT MODEM KSGOMOD2: HIGH PERFORMANCE SITE MANAGEMENT MODEM KSGVOT1A: SIGNAL-TO-NOISE VOTER KSGVOT2A: ADDITIONAL STATION MODULE	KSGC807M: BASIC MPT-1327 TRUNKING CONTROLLER			
ASGC427M: BASIC MPT-1327 PERIPHERAL EQUIPMENT INTERFACE MISC STATION OPTIONS Quantity Unit Cost Extended (SGD2P1B: 6 CAVITY BpBr DUPLEXER, 400KHz MINIMUM SPACING, 150W (SGOMOD1: BASIC SITE MANAGEMENT MODEM (SGOMOD2: HIGH PERFORMANCE SITE MANAGEMENT MODEM (SGVOT1A: SIGNAL-TO-NOISE VOTER (SGVOT2A: ADDITIONAL STATION MODULE	KSGC827M: BASIC MPT-1327 TRUNKING CONTROLLER			
ASGC427M: BASIC MPT-1327 PERIPHERAL EQUIPMENT INTERFACE MISC STATION OPTIONS Quantity Unit Cost Extended (SGD2P1B: 6 CAVITY BpBr DUPLEXER, 400KHz MINIMUM SPACING, 150W (SGOMOD1: BASIC SITE MANAGEMENT MODEM (SGOMOD2: HIGH PERFORMANCE SITE MANAGEMENT MODEM (SGVOT1A: SIGNAL-TO-NOISE VOTER (SGVOT2A: ADDITIONAL STATION MODULE	KSGC844M: BASIC MPT-1327 MULTI-SITE CONTROLLER			
KSGD2P1B: 6 CAVITY BpBr DUPLEXER, 400KHz MINIMUM SPACING, 150W KSGOMOD1: BASIC SITE MANAGEMENT MODEM KSGOMOD2: HIGH PERFORMANCE SITE MANAGEMENT MODEM KSGVOT1A: SIGNAL-TO-NOISE VOTER KSGVOT2A: ADDITIONAL STATION MODULE	KSGC427M: BASIC MPT-1327 PERIPHERAL EQUIPMENT INTERFACE			
KSGOMOD1: BASIC SITE MANAGEMENT MODEM KSGOMOD2: HIGH PERFORMANCE SITE MANAGEMENT MODEM KSGVOT1A: SIGNAL-TO-NOISE VOTER KSGVOT2A: ADDITIONAL STATION MODULE	MISC STATION OPTIONS	Quantity	Unit Cost	Extended
(SGOMOD2: HIGH PERFORMANCE SITE MANAGEMENT MODEM (SGVOT1A: SIGNAL-TO-NOISE VOTER (SGVOT2A: ADDITIONAL STATION MODULE	KSGD2P1B: 6 CAVITY BpBr DUPLEXER, 400KHz MINIMUM SPACING, 150W			
(SGVOT1A: SIGNAL-TO-NOISE VOTER (SGVOT2A: ADDITIONAL STATION MODULE	KSGOMOD1: BASIC SITE MANAGEMENT MODEM			
(SGVOT1A: SIGNAL-TO-NOISE VOTER (SGVOT2A: ADDITIONAL STATION MODULE	KSGOMOD2: HIGH PERFORMANCE SITE MANAGEMENT MODEM			
	KSGVOT1A: SIGNAL-TO-NOISE VOTER			
(SCORTCA). DILOT TONE CENEDATOR AND LINE DRIVED	KSGVOT2A: ADDITIONAL STATION MODULE			
AGONTIGIT FILOT TONE GENERATOR AND LINE DRIVER	KSGOPTG1: PILOT TONE GENERATOR AND LINE DRIVER			

Extended 1	otal			



TKR-8400 Series High Performance Base Stations and Repeaters 450-512 MHz

BASIC CONFIGURATION	Quantity	Unit Cost	Extended
TKR8400SK1: BASIC CONFIGURATION, 450 - 480 MHz			
TKR8400SK2: BASIC CONFIGURATION, 480 - 512 MHz			
AMPLIFIER OPTIONS	Quantity	Unit Cost	Extended
KSGA304S: 40W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR REPEATER STATION			
KSGA304C: 40W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION			
KSGA310S: 100W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR REPEATER STATION			
KSGA310C: 100W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION			
KSGA325R: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR REPEATER STATION			
KSGA325B: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION			
POWER SUPPLY OPTIONS	Quantity	Unit Cost	Extended
KSGPWRX2: DELETE POWER SUPPLY			
KSGPWR72: 13.8 VDC, 70 A POWER SUPPLY, UPGRADE			
KSGPWRB2: 13.8 VDC, 70 A POWER SUPPLY WITH SMARTCHARGER UPGRADE			
MOUNTING CONFIGURATIONS	Quantity	Unit Cost	Extended
KSGMRCK3: 17 RU (3') ALUMINUM EQUIPMENT RACK			
KSGMRCK7: 45 RU (7') ALUMINUM EQUIPMENT RACK			
KSGMCAB2: 20 RU (42") LOCKING CABINET			
KSGMCAB4: 40 RU (77") LOCKING CABINET			
KSGMCABT: CABINET SOLID TOP UPGRADE			
KSGMCABF: CABINET FAN TOP UPGRADE			
KSGMCABB: CABINET INTERIOR SOLID BOTTOM UPGRADE			
REMOTE CONTROLS	Quantity	Unit Cost	Extended
KSGTN01A: 1 CHANNEL TONE TERMINATION PANEL			
KSGTN02A: 2 CHANNEL TONE TERMINATION PANEL			
KSGTN10A: 10 CHANNEL DISCRETE TONE TERMINATION PANEL			
KSGTN16A: 16 CHANNEL BCD TONE TERMINATION PANEL			
KSGTDC1A: 1 CHANNEL DC TERMINATION PANEL			
KSGTALD1: 600 Ohm BALANCED AUDIO LINE DRIVER			
TRUNKING CONTROLLER OPTIONS	Quantity	Unit Cost	Extended
KSGC040L: LTR DISPATCH TRUNKING CONTROLLER			
KSGC050L: LTR DISPATCH & INTERCONNECT TRUNKING CONTROLLER			
KSGC452L: LTR DISPATCH TRUNKING CONTROLLER			
KSGC459L: LTR DISPATCH & INTERCONNECT TRUNKING CONTROLLER			
KSGC807M: BASIC MPT-1327 TRUNKING CONTROLLER			
KSGC827M: BASIC MPT-1327 TRUNKING CONTROLLER			
KSGC844M: BASIC MPT-1327 MULTI-SITE CONTROLLER			
KSGC427M: BASIC MPT-1327 PERIPHERAL EQUIPMENT INTERFACE			
MISC STATION OPTIONS	Quantity	Unit Cost	Extended
KSGD3P1B: 6 CAVITY BpBr DUPLEXER, 3MHz MINIMUM SPACING, 125W			
KSGOMOD1: BASIC SITE MANAGEMENT MODEM			
KSGOMOD2: HIGH PERFORMANCE SITE MANAGEMENT MODEM			
KSGVOT1A: SIGNAL-TO-NOISE VOTER			
KSGVOT2A: ADDITIONAL STATION MODULE			
KSGOPTG1: PILOT TONE GENERATOR AND LINE DRIVER			



TKR-8500 Series Base Stations and Repeaters 400 - 430 MHz and 450 - 512 MHz

BASIC CONFIGURATION	Quantity	Unit Cost	Extended
TKR8510SK1: BASIC CONFIGURATION, 450 - 480 MHz			
TKR8500SK2: BASIC CONFIGURATION, 480 - 512 MHz			
TKR8500SK3: BASIC CONFIGURATION, 400 - 430 MHz			
AMPLIFIER OPTIONS	Quantity	Unit Cost	Extended
KSGA304R: 40W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR REPEATER STATION			
KSGA304B: 40W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION			
KSGA310R: 100W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR REPEATER STATION			
KSGA310B: 100W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION			
KSGA325R: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR REPEATER STATION			
KSGA325B: 250W CONTINUOUS DUTY RF AMPLIFIER UPGRADE FOR BASE STATION			
POWER SUPPLY OPTIONS	Quantity	Unit Cost	Extended
KSGPWRX2: DELETE POWER SUPPLY			
KSGPWR72: 13.8 VDC, 70 A POWER SUPPLY, UPGRADE			
KSGPWRB2: 13.8 VDC, 70 A POWER SUPPLY WITH SMARTCHARGER UPGRADE			
MOUNTING CONFIGURATIONS	Quantity	Unit Cost	Extended
KSGMRCK3: 17 RU (3') ALUMINUM EQUIPMENT RACK			
KSGMRCK7: 45 RU (7') ALUMINUM EQUIPMENT RACK			
KSGMCAB2: 20 RU (42") LOCKING CABINET			
KSGMCAB4: 40 RU (77") LOCKING CABINET			
KSGMCABT: CABINET SOLID TOP UPGRADE			
KSGMCABF: CABINET FAN TOP UPGRADE			
KSGMCABB: CABINET INTERIOR SOLID BOTTOM UPGRADE			
REMOTE CONTROLS	Quantity	Unit Cost	Extended
KSGTN01A: 1 CHANNEL TONE TERMINATION PANEL			
KSGTN02A: 2 CHANNEL TONE TERMINATION PANEL			
KSGTN10A: 10 CHANNEL DISCRETE TONE TERMINATION PANEL			
KSGTN16A: 16 CHANNEL BCD TONE TERMINATION PANEL			
KSGTDC1A: 1 CHANNEL DC TERMINATION PANEL			
KSGTALD1: 600 Ohm BALANCED AUDIO LINE DRIVER			
TRUNKING CONTROLLER OPTIONS	Quantity	Unit Cost	Extended
KSGC040L: LTR DISPATCH TRUNKING CONTROLLER			
KSGC050L: LTR DISPATCH & INTERCONNECT TRUNKING CONTROLLER			
KSGC452L: LTR DISPATCH TRUNKING CONTROLLER			
KSGC459L: LTR DISPATCH & INTERCONNECT TRUNKING CONTROLLER			
KSGC807M: BASIC MPT-1327 TRUNKING CONTROLLER			
KSGC827M: BASIC MPT-1327 INTERCONNECT CONTROLLER			
KSGC844M: BASIC MPT-1327 MULTI-SITE CONTROLLER			
KSGC427M: BASIC MPT-1327 PERIPHERAL EQUIPMENT INTERFACE			
MISC STATION OPTIONS	Quantity	Unit Cost	Extended
KSGD3P1B: 6 CAVITY BpBr DUPLEXER, 3MHz MINIMUM SPACING, 125W			
KSGOMOD1: BASIC SITE MANAGEMENT MODEM			
KSGOMOD2: HIGH PERFORMANCE SITE MANAGEMENT MODEM			
KSGVOT1A: SIGNAL-TO-NOISE VOTER			
KSGVOT2A: ADDITIONAL STATION MODULE			
KSGOPTG1: PILOT TONE GENERATOR AND LINE DRIVER			

Extended Total		



800 - 900 MHz TKR-9300 and TKR-9301 Series Repeaters

BASIC CONFIGURATION	Quantity	Unit Cost	Extended
TKR9300SK1 800 MHz BASIC TRANSCEIVER 806-821 / 851-866 MHz			
TKR9300SK2 800 MHz BASIC TRANSCEIVER 821-824 / 866-869 MHz (NPSPAC)			
TKR9301SK1 900 MHz BASIC TRANSCEIVER 896-901 / 935-940 MHz			
AMPLIFIER OPTIONS	Quantity	Unit Cost	Extended
KSGA404A: 40W CONTINUOUS DUTY 800MHz RF AMPLIFIER UPGRADE			
KSGA404B: 40W CONTINUOUS DUTY 900MHz RF AMPLIFIER UPGRADE			
KSGA408A: 80W CONTINUOUS DUTY 800MHz RF AMPLIFIER UPGRADE			
KSGA408B: 80W CONTINUOUS DUTY 900MHz RF AMPLIFIER UPGRADE			
KSGA413A: 130W CONTINUOUS DUTY 800MHz RF AMPLIFIER UPGRADE			
KSGA413B: 130W CONTINUOUS DUTY 900MHz RF AMPLIFIER UPGRADE			
POWER SUPPLY OPTIONS	Quantity	Unit Cost	Extended
KSGPWRX2: DELETE POWER SUPPLY			
KSGPWR72: 13.8 VDC, 70 A POWER SUPPLY, UPGRADE			
KSGPWRB2: 13.8 VDC, 70 A POWER SUPPLY WITH SMARTCHARGER UPGRADE			
MOUNTING CONFIGURATIONS	Quantity	Unit Cost	Extended
KSGMRCK3: 17 RU (3') ALUMINUM EQUIPMENT RACK			
KSGMRCK7: 45 RU (7') ALUMINUM EQUIPMENT RACK			
KSGMCAB2: 20 RU (42") LOCKING CABINET			
KSGMCAB4: 40 RU (77") LOCKING CABINET			
KSGMCABT: CABINET SOLID TOP UPGRADE			
KSGMCABF: CABINET FAN TOP UPGRADE			
KSGMCABB: CABINET INTERIOR SOLID BOTTOM UPGRADE			
REMOTE CONTROLS	Quantity	Unit Cost	Extended
KSGTN01A: 1 CHANNEL TONE TERMINATION PANEL			
KSGTDC2A: 1 CHANNEL DC TERMINATION PANEL			
KSGTALD1: 600 Ohm BALANCED AUDIO LINE DRIVER			
EXTERNAL CONTROLLER OPTIONS	Quantity	Unit Cost	Extended
KSGC038L: REPEATER PANEL CONTROLLER			
KSGC040L: LTR DISPATCH TRUNKING CONTROLLER			
KSGC050L: LTR DISPATCH & INTERCONNECT TRUNKING CONTROLLER			
KSGC452L: LTR DISPATCH TRUNKING CONTROLLER			
KSGC459L: LTR DISPATCH & INTERCONNECT TRUNKING CONTROLLER			
MISC STATION OPTIONS	Quantity	Unit Cost	Extended
KSGD4P1A: 4 CAVITY 800MHz BpBr DUPLEXER, 45MHz SPACING, 150W			
KSGD4P1B: 4 CAVITY 900MHz BpBr DUPLEXER, 39MHz SPACING, 150W			
KSGOMOD1: BASIC SITE MANAGEMENT MODEM			
KSGOMOD2: HIGH PERFORMANCE SITE MANAGEMENT MODEM			
KSGVOT1A: SIGNAL-TO-NOISE VOTER			
KSGVOT2A: ADDITIONAL STATION MODULE			
KSGOPTG1: PILOT TONE GENERATOR AND LINE DRIVER			

Extended Total		